

INFORMATION BULLETIN

FOR MASTER DEGREE PROGRAMME

ICAR's

22nd ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION (AIEEA-PG-2017) TO 25% SEATS (100% SEATS OF ICAR DEEMED UNIVERSITIES & DR. RP CAU PUSA) IN MASTER DEGREE PROGRAMMES OF AGRICULTURAL UNIVERSITIES AND AWARD OF ICAR-PG SCHOLARSHIP/NTS (PGS) IN AGRICULTURE & ALLIED SCIENCES FOR ACADEMIC SESSION 2017-18

(AIEEA-PG-2017)



**Agricultural Education Division
Indian Council of Agricultural Research
Krishi Anusandhan Bhavan- II
Pusa, New Delhi-110 012
www.icar.org.in**

**INDIAN COUNCIL OF AGRICULTURAL RESEARCH
(AGRICULTURAL EDUCATION DIVISION)
KRISHI ANUSANDHAN BHAVAN-II PUSA, NEW DELHI 110 012**

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ALL CORRESPONDENCE REGARDING ADMISSION SHOULD BE ADDRESSED TO THE ASSISTANT DIRECTOR GENERAL (HRD)/CONTROLLER OF EXAMINATIONS (AGRIL. EDN), AGRICULTURAL EDUCATION DIVISION, ICAR, KRISHI ANUSANDHAN BHAVAN-II, PUSA, NEW DELHI - 110 012.

(This Information Bulletin should not be treated as a legal document)

Mode of Application:

Application will be received through online mode only. In no other form, the applications will be entertained. For details please refer Item No. 8.1 (B) in the Information Bulletin. Application fee of Rs. 600/- for General, OBC(NCL) & UPS Categories and Rs.300/- for SC, ST and PC Categories with additional Payment Gateway charges plus service tax, as applicable will be chargeable.

IMPORTANT DATES

Event	Date
Date and Time of Examination	11.06.2017 (Sunday) 10:00 A.M to 12:30 P.M. (2 ½ hrs)
Commencement of Online Application submission	20.04.2017 (Thursday)
Last date of online application	04.05.2017 (Thursday up to 11.59 P.M.)
Last date for receipt of hard copy of computer generated confirmation page of online application	15.05.2017
e-Admit card information (on ICAR website)	Last week of May, 2017
Declaration of result	30 th June, 2017 (Tentative)
Schedule for Online Counseling	07.07.2017, First round (Tentative) 17.07.2017, Second round (Tentative) 27.07.2017, Third round, if need arises (Tentative)

(There will be online counseling only)

All announcements, including e-Admit card information, declaration of result, online counseling schedule, general notices, etc., will be available on Internet at the ICAR website www.icar.org.in. Candidates are advised in their own interest to remain in touch with the website or contact on telephone or the Nodal Officer of the Examination City Centre (for Exam Centre & Roll No. only).

NOTE: Office of COE may be contacted on any working day on telephone 011-25843392 between 10.00 A.M. to 5.00 P.M.

DIRECTIONS TO CANDIDATE

- Day and Date of Examination : Sunday, the 11th June, 2017
- Duration : 2½ hrs (10.00 AM to 12.30 PM)

Online Application and downloadable Information Bulletin are available on ICAR website.

- Before mailing hard copy of computer generated confirmation page (refer **Annexure-IX**) of online application complete in all respect, check that proof of fee payment has been attached.
Online Application and downloadable prospectus are available on ICAR website. Candidate has to visit www.icar.org.in and click the option of filling online application AIEEA-PG-2017 as per the given instructions.
In the last week of May, 2017, e-Admit Card containing information regarding Roll Number, Center and Venue of Examination, etc., would be downloadable from the ICAR website by providing the Application Number and Date of Birth.
- Incomplete/mutilated hard copy of computer generated confirmation copy of Application with unclear photograph or copy having overwriting or non-payment of requisite fee amount or amount lesser than prescribed fee or without Aadhaar number or 28 digit Aadhaar Enrolment ID or in case of candidates from J&K, Assam & Meghalaya passport number/ration card number/bank account number or any other valid Govt. identity number, shall be summarily rejected and no correspondence in this regard shall be entertained.
- Request for change in any particulars once given in the Application shall not be entertained.
- Admission of a candidate to the entrance examination is provisional subject to his/her being found otherwise eligible for admission to the course concerned by the admitting university.

7. Candidates are advised to retain at least three identical colour photograph with name and date same as uploaded on the application for subsequent use at the time of admission.
8. A candidate is allowed to submit only one application. If a candidate submits more than one application, his/her candidature shall be cancelled.
9. If a candidate belongs to General /OBC(NCL)/UPS category mentions his category as SC/ ST/PC in the application by mistake or otherwise and claims after closure of the last date of online application process that he actually belongs to General /OBC/UPS category, then the claim of such candidates shall not be entertained and their application shall be summarily rejected on the grounds of underpayment of fee. In the event of rejection of the application due to non-payment/underpayment of the application fee or any other reason(s) specified elsewhere in the Information Bulletin, the application fee paid shall not be refunded.
10. Application (Hard copy) should be sent through Speed/Registered post only **and the applications sent through any other mode like private courier service, fax, e-mail, etc., shall not be entertained. Hard copy of Application** should be dispatched well in advance so as to reach on or before 15.05.2017.
11. Council shall not be responsible for any postal delay/loss in transit in respect of submission of hard copy of Application, etc.
12. Candidates are advised to retain a photocopy of the Application for their personal record. It may be used at any time in support of having submitted application and also retain a copy of Post Office receipt as a proof for dispatch of hard copy of application through Registered Post or Speed Post.
13. Ragging in any form inside or outside the campuses is strictly prohibited.
14. Use or attempt to use unfair means of any kind for this examination including impersonation will automatically lead to the cancellation of candidature at any stage besides taking the legal action as deemed fit.
15. Candidates may seek any information as per scheduled date and time only. Changes, if any, in the scheme of examination will be notified on the ICAR website.
16. **The records of the AIEEA (PG) Examination shall be preserved for the period as specified in the Record Retention Schedule of the Council.**

Postal Address:

**Controller of Examinations (Agril. Edn)
Examination Cell, Agricultural Education Division
Indian Council of Agricultural Research
Room No. 216, Krishi Anusandhan Bhavan-II
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Contact Number:

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Scope of Agricultural Education

Agriculture has been the mainstay of Indian economy since ages. The science and art of agriculture has many references in the Vedic literature and the ancient history of the mankind. The agriculture sector in India provides livelihood to about 52% of the population of the country and contributes about 15% to the Gross Domestic Product. Trained human resource has been the key factor behind the Green, White, Blue and Yellow Revolutions, that has led India to become self-reliant in food and becoming a fast growing economy. Knowledge based, input-use efficient, eco-friendly, and high tech precision agriculture has been the next stage for which efforts have been directed by Indian Council of Agricultural Research (ICAR) and Agricultural Universities (AUs) in planning, designing and executing the national agricultural educational programmes. Considering the importance of Agricultural Education, University Education Commission under the Chairmanship of Dr. S. Radhakrishnan, recommended the establishment of independent Rural Universities in the country in the year 1948. As a result of this recommendation, first State Agricultural University (SAU) was established in 1960 at Pantnagar (Nainital) on the pattern of the Land Grant Colleges of the United States. The University Grants Commission accorded the status of Deemed-to-be-University (DU) to Indian Agricultural Research Institute, New Delhi in 1958 which became the first ICAR Institute as Deemed University conducting postgraduate teaching and research. Today, the country has a large ICAR-AU system with a total of 73 Agricultural Universities (AUs) comprising of 61 State Agricultural, Veterinary, Horticulture, and Fisheries Universities, 3 Central Agricultural Universities (CAU, Imphal; DR. RPCAU, Pusa and RLBCAU, Jhansi), 5 DUs and 4 Central Universities having agricultural faculty (BHU, AMU, Viswa Bharati and Nagaland University) awarding various kinds of degrees in different disciplines of agricultural, veterinary and allied sciences. At present there are 59 (Tentative) Accredited Agricultural Universities (AUs) under ICAR-AU system under which admissions would be granted in accredited programmes. Agricultural education is also imparted in some traditional universities of the country. Agricultural education system is producing invaluable human resource and every year about 15,000 graduates, 11,000 Masters and 2,500 Ph.D.s are admitted. The Under Graduate degree in 10 subjects of agriculture and allied sciences and Master's degree in about 95 subjects, awarded by the Universities associated with the ICAR are well recognized and accepted for higher education globally. All undergraduate degrees in the disciplines of Agricultural Sciences have been declared as professional degrees. Some of the graduates also start their own business units including the Agri. Clinics and Agro Service Centres. For enhancing the employability and entrepreneurial ability of the graduates, in the revised curricula, the student READY (Rural and Entrepreneurship Awareness Development Yojana) including RAWE and Experiential Learning have been introduced for one year, out of the entire four years duration of UG degree programmes.

Large number of Master degree holders from agricultural sciences go for higher education in Indian Universities and abroad. These include Ph.D. degree programmes in about 95 subjects of contemporary interest at the Indian Agricultural Universities. The degrees awarded by the Universities associated with the ICAR are well recognized and accepted for higher education globally. Some of the postgraduates also start their own business units including the Agri. Clinics and Agro Service Centres.

Following are some of the sectors providing placement to the agricultural post-graduates:-

- (i) Development Departments of Central and State Governments
- (ii) Commercial Banks and Insurance Sector
- (iii) Area development/ watershed development agencies including NGOs
- (iv) Industry dealing with fertilizers and plant nutrients
- (v) Plant protection chemicals, insecticides and pesticides manufacturing and marketing companies
- (vi) Organizations dealing in seeds and planting materials
- (vii) Industries dealing with Ag. Machinery, Sericulture, Horticulture, Fisheries, Dairy, etc.
- (viii) Manufacturers and suppliers of irrigation systems

- (ix) Agricultural products processing industry
- (x) Multi-nationals dealing with production, field evaluation, and marketing of agricultural inputs including export marketing and consultancy services.

The growth achieved in agricultural sector has been attributed to the concerted efforts of skilled human resource developed through AES. After independence, from the state of deficiency, country has reached to the stage of self-sufficiency in food grain production. It has enabled the country to increase production of food grains by 4-fold, horticultural crops by 6-fold, fish by 9-fold (marine 5-fold and inland 17-fold), milk by 6-fold, and eggs by 27-fold since 1950-51; thus making a visible impact on the national food and nutritional security.

The interest of female candidates towards agricultural education is rising and during 2016 about 42% female candidates were admitted through AIEEA-PG. Presently, efforts are being directed by the ICAR and Agricultural Universities to impart necessary skills and confidence among agricultural graduates to start and operate their own business units through first-hand experience of running Model Farms and Pilot-Plants during the course of study. Experiential learning, in plant trainings, Rural Agricultural Work Experience (RAWEX) are some special features of agricultural education in the country. ICAR provides annual grants to accredited AUs for infrastructural development, scholarships/fellowship schemes and monitoring system through Accreditation norms for quality assurance. Besides, the teaching quality is also stressed through continuous national and international training programmes for the faculty. In summary, Agricultural Education could be termed as one of the most relevant education in the country for growth and sustainable development. The ICAR and associated Agricultural Universities would like to congratulate you for choosing the area of agricultural sciences for your education and career and wish all the success in your life.

22nd ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION (AIEEA-PG-2017) TO 25% SEATS (100% SEATS OF ICAR DEEMED UNIVERSITIES & DR.RP CAU PUSA) IN MASTER DEGREE PROGRAMMES OF AGRICULTURAL UNIVERSITIES AND AWARD OF ICAR-PG SCHOLARSHIP/NTS (PGS) IN AGRICULTURE & ALLIED SCIENCES FOR ACADEMIC SESSION 2017-18

1.0 Introduction

The Indian Council of Agricultural Research (ICAR), an apex body for coordinating, guiding, and managing research and education in agriculture in the entire country under the aegis of DARE, Ministry of Agriculture, has been able to foster a countrywide arrangement with the AUs to set aside 25% seats of their seats for Master degree programmes to be admitted through ICAR's All India Entrance Examination so as to reduce academic inbreeding, increase mobility among students, encourage national integration and infuse merit and uniform examination standards leading to improved overall quality of agricultural education. Besides, all (100%) seats of the four ICAR-DUs namely, Indian Agricultural Research Institute (IARI), Indian Veterinary Research Institute (IVRI), National Dairy Research Institute (NDRI) and Central Institute of Fisheries Education (CIFE) are also filled up through the same examination. ICAR's 22nd AIEEA-PG-2017 examination for the academic session 2017-18 will be conducted at 37 examination city centers spread all over the country enabling participation of a large number of candidates seeking admission in Master degree programmes in AUs in different disciplines of Agriculture, Horticulture, Forestry, Veterinary, Animal Sciences, Agri. Engineering, Community Science (erstwhile Home Science), Fisheries, Dairy Science and other allied sciences. ICAR PG Scholarship for postgraduate studies namely, ICAR-PG Scholarship, will be awarded to 475 candidates based on merit in this examination as per their overall merit-rank and seat availability in different disciplines. The remaining admitted students will be awarded NTS (PGS). Candidates qualified for counseling will be considered for allocation of subject and the Agricultural University as per online counseling procedure described hereinafter under item 9.0. **There is no direct nomination through ICAR in any Master degree programme without qualifying in this examination.**

2.0 DEGREE PROGRAMMES AVAILABLE FOR ADMISSION

2.1. Major Subject Groups, Sub-subjects, No. of Seats & ICAR-PG Scholarship/ NTS (PGS)

Master degrees are awarded by Agricultural Universities in about 95 sub - subjects under 20 major subject-groups namely (1) Plant Biotechnology, (2) Plant Sciences, (3) Physical Science, (4) Entomology and Nematology, (5) Agronomy, (6) Social Sciences, (7) Statistical Sciences, (8) Horticulture, (9) Forestry/Agroforestry and Silviculture, (10) Agricultural Engineering & Technology, (11) Water Science & Technology, (12) Home Science (Currently renamed as Community Science) (erstwhile Home Science), (13) Animal Biotechnology, (14) Veterinary Science, (15) Animal Sciences (16) Fisheries Science, (17) Dairy Science, (18) Dairy Technology, (19) Food Science Technology, and (20) Agri-Business Management. Candidate should select one major subject-group among the following for appearing in the Entrance Examination, based on the compatibility with his/her own subject area at his/her graduation level. The sub- subject choices, within the major subject-group in which the candidate qualifies the entrance examination, will be available at the time of online counseling.

It has been decided by the Council that from Academic session 2017-18, filling of ICAR quota seats in PG programmes in Agricultural Universities through ICARs Entrance Examination will not be allowed for non-accredited programmes, colleges and the Universities.

Candidate should also note that for admission to Master's degree programmes through entrance examination conducted by ICAR, only the candidates having passed graduation with four/six (10+6 B.Sc. Ag.)/five years' (B.V.Sc. & AH) degree programme from any recognized University will be eligible. **The candidates having passed Bachelor's degree with 3 years' duration will not be considered for admission through AIEEA-PG-2017 in AUs under ICAR-AU system except in two ICAR DUs, viz. IARI, NDRI** for which the eligibility criteria of the concerned ICAR-DU, including admission of graduates having passed with 3 years' degree, would prevail for admission.

Numbers of seats and ICAR-PG Scholarship / NTS (PGS) in various subjects/sub- subjects are given below; the number is tentative at present, the final position will be known at the time of counseling.

TABLE 2.1
Major Subject Groups, Sub-subjects, No. of Seats & ICAR-PG Scholarship/NTS (PGS)

Major Subject Code No.	Major Subject-Group	Sub-Subject Code	Sub-Subject	No of Seats (Tentative)	Total ICAR- PG Scholarship	No. of ICAR- PG Scholarship			
						Gen./OB C/ UPS	SC	ST	PC*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
01	PLANT BIOTECHNOLOGY	Total		111	24	18	4	2	1
		1.1	Plant Biochemistry/Bio-Chemistry	25	5	4	1	0	0
		1.2	Plant Biotech. & Molecular Biology/ Biotech.	36	8	6	1	1	0
		1.3	Plant /Crop Physiology	50	11	8	2	1	1
02	PLANT SCIENCES	Total		325	79	61	12	6	2
		2.1	Plant Breeding and Genetics	132	32	25	5	2	1
		2.2	Plant Pathology	117	28	22	4	2	1
		2.3	Agri. Microbiology/Microbiology	36	9	7	1	1	0
		2.4	Seed Science and Technology	36	9	6	2	1	0
		2.5	Plant Genetic Resources	4	1	1	0	0	0
03	PHYSICAL SCIENCE	Total		176	22	17	3	2	1
		3.1	Agricultural /Agro. Meteorology	22	3	3	0	0	0
		3.2	(a) Soil Science and Agricultural Chemistry (b) Soil Conservation and Water Management/ SWC (c) Irrigation and Water Management	127	16	11	3	2	1
		3.3	Agricultural Physics	4	0	0	0	0	0
		3.4	Agricultural Chemicals	5	1	1	0	0	0
		3.5	Environmental Science	18	2	2	0	0	0
04	ENTOMOLOGY AND NEMATOLOGY	Total		143	34	26	5	3	1
		4.1	Agricultural/ Horticultural Entomology	122	30	22	5	3	1
		4.2	Nematology	14	3	3	0	0	0
		4.3	Apiculture	1	0	0	0	0	0
		4.4	Sericulture	5	1	1	0	0	0
		4.5	Plant Protection	1	0	0	0	0	0
05	AGRONOMY	Total		166	70	54	11	5	2
		5.1	Agronomy	164	69	53	11	5	2
		5.2	Tea Husbandry & Technology	2	1	1	0	0	0
06	SOCIAL SCIENCES	Total		216	26	20	4	2	1
		6.1	Agricultural Economics	98	12	9	2	1	0
		6.2	Dairy Economics	7	1	1	0	0	0
		6.3	Agri. Extension/ Extension Education/ Communication	100	12	9	2	1	1
		6.4	Dairy Extension Education	11	1	1	0	0	0
07	STATISTICAL SCIENCES	Total		44	05	4	1	0	0
		7.1	Agricultural Statistics	32	3	2	1	0	0
		7.2	Computer Application	6	1	1	0	0	0
		7.3	Bioinformatics	6	1	1	0	0	0
08	HORTICULTURE	Total		183	71	55	11	5	2
		8.1	Horticulture	37	14	11	2	1	0
		8.2	Vegetable Crops or Science/ Olericulture	51	21	17	3	1	1
		8.3	Pomology/Fruit Sci., Fruit Sci. & Hort. Technology	44	17	13	3	1	1
		8.4	Post-harvest Technology of Horticultural Crops	11	4	3	0	1	0
		8.5	Floriculture and Landscaping Architecture	27	10	7	2	1	0
		8.6	Plantation Spices, Medicinal & Aromatic Crops	13	5	4	1	0	0

09	FORESTRY/AGROFORESTRY AND SILVICULTURE		Total	29	10	7	2	1	0
	9.1	Forest Production & Utilization	9	3	1	1	1	0	0
	9.2	Silviculture & Agroforestry	5	2	2	0	0	0	0
	9.3	Tree Physiology & Breeding	2	1	1	0	0	0	0
	9.4	Agroforestry	8	3	2	1	0	0	0
	9.5	Forest NRM/ Forest Management & Utilization	2	1	1	0	0	0	0
	9.6	Plantation Technology	0	0	0	0	0	0	0
	9.7	Wildlife Sci. (Forestry)	1	0	0	0	0	0	0
	9.8	Wood Science	2	0	0	0	0	0	0

Major Subject Code No.	Major Subject-Group	Sub-Subject Code	Sub-Subject	No. of Seats (Tentative)	Total ICAR- PG Scholarship	No. of ICAR- PG Scholarship (Tentative)			
						Gen./ OBC/ UPS	SC	ST	PH*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10	AGRICULTURAL ENGINEERING AND TECHNOLOGY		Total	117	21	16	3	2	1
		10.1	Soil and Water Cons. Engg./Soil & Water Engg.	34	6	4	1	1	0
		10.2	Irrigation and Drainage Engg./ Irri. Water Mgmt. Engg.	9	2	2	0	0	0
		10.3	Post-Harvest Technology/ Processing & Food Engg.	36	6	4	1	1	0
		10.4	Farm Machinery and Power Engg.	34	6	5	1	0	1
		10.5	Renewable Energy	4	1	1	0	0	0
11	WATER SCIENCE AND TECHNOLOGY		Total	9	01	01			
		11.1	Water Science & Technology	9	1	1	0	0	0
12	HOME SCIENCE (CURRENTLY RENAMED AS HOME SCIENCE)		Total	60	10	7	2	1	0
		12.1	Food and Nutrition	18	3	1	1	1	0
		12.2	Human Development and Family Studies	10	2	1	1	0	0
		12.3	Home Management/Family Resource Management	10	2	2	0	0	0
		12.4	Clothing and Textile/ Textile & Apparel Designing	9	1	1	0	0	0
		12.5	Home Science Extension / Education, / Extn. & Comm. Mgmt.	13	2	2	0	0	0
13	ANIMAL BIOTECHNOLOGY		Total	53	08	6	1	1	0
		13.1	Animal Biotechnology	24	4	3	1	0	0
		13.2	Veterinary/Animal Biochemistry	29	4	3	0	1	0
14	VETERINARY SCIENCE		Total	260	28	22	4	2	1
		14.1	Veterinary Anatomy / Veterinary Anatomy & Histology	19	2	2	0	0	0
		14.2	Vety. Gynecology and Obst./ Ani. Reproduction	35	4	2	1	1	0
		14.3	Vety. Medicine (Clinical /Preventive)	37	4	3	1	0	0
		14.4	Vety. Parasitology	24	2	2	0	0	0
		14.5	Vety. Pharmacology and Toxicology	18	2	2	0	0	0
		14.6	Vety. Pathology	24	3	2	1	0	0

		14.7	Wildlife Sci./ Wildlife Health Mgt.	2	0	0	0	0	0
		14.8	Vety. Virology	0	0	0	0	0	0
		14.9	Vety. Immunology	1	0	0	0	0	0
		14.10	Veterinary Microbiology & Immunology / Bacteriology	42	5	3	1	1	1
		14.11	Veterinary Surgery & Radiology	30	3	3	0	0	0
		14.12	Vety. Public Health & Epidemiology/ Vety. Public Health/ Vety. Epidemiology/ Vety. Epidemiology & Preventive Medicine	28	3	3	0	0	0
15	ANIMAL SCIENCES		Total	229	19	15	3	1	1
		15.1	Animal Husbandry/ Dairy Sci.	18	1	1	0	0	0
		15.2	Animal Genetics and Breeding	43	4	3	1	0	1
		15.3	Animal Nutrition	43	4	2	1	1	0
		15.4	Vety./Animal Physiology	30	2	2	0	0	0
		15.5	Livestock Production and Management	40	3	2	1	0	0
		15.6	Livestock Products Technology	16	2	2	0	0	0
		15.7	Poultry Science	16	2	2	0	0	0
		15.8	Veterinary and Animal Husbandry Extension	16	1	1	0	0	0
		15.9	Livestock/ Veterinary/Animal Husbandry Economics	4	0	0	0	0	0
		15.10	Bio-Statistics	3	0	0	0	0	0

Major Subject Code No.	Major Subject-Group	Sub-Subject Code	Sub-Subject	No. of Seats (Tentative)	Total ICAR- PG Scholarship	No. of ICAR- PG Scholarship (Tentative)			
						Gen./ OBC/ UPS	SC	ST	PH*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
16	FISHERIES SCIENCE		Total	116	13	10	2	1	0
		16.1	Fisheries Sciences/ Fish Env. Mgmt.	1	0	0	0	0	0
		16.2	Fisheries Resource Management	15	2	1	1	0	0
		16.3	Aquaculture	20	2	1	0	1	0
		16.4	Fish Processing & Technology/ Fish PHT	13	1	1	0	0	0
		16.5	Fish Physiol. & Biochemistry	6	1	1	0	0	0
		16.6	Aquatic Animal Health Mgmt.	10	1	1	0	0	0
		16.7	Fisheries Extension	10	1	1	0	0	0
		16.8	Aquatic Env. Management	10	1	1	0	0	0
		16.9	Fish Genetics/Breeding/Biotechnology	14	2	1	1	0	0
		16.10	Fish Nutrition and Feed Tech.	7	1	1	0	0	0
		16.11	Fish. Economics	8	1	1	0	0	0
		16.12	Fish Engg. & Technology	2	0	0	0	0	0
17	DAIRY SCIENCE		Total	18	04	3	1	0	0
		17.1	Dairy Microbiology	9	2	2	0	0	0
		17.2	Dairy Chemistry	9	2	1	1	0	0
18	DAIRY TECHNOLOGY		Total	26	06	5	1	0	0
		18.1	Dairy Technology	17	4	3	1	0	0
		18.2	Dairy Engineering	9	2	2	0	0	0
19	FOOD SCIENCE TECHNOLOGY		Total	27	15	12	2	1	0
		19.1	Food Technology/Food Science & Technology(M.Sc.)	19	11	8	2	1	0
		19.2	Food Safety & Quality Assurance(M.Sc.)	4	2	2	0	0	0
		19.3	Food Science & Nutrition (M.Sc.)	4	2	2	0	0	0

20	AGRI BUSINESS MANAGEMENT		Total	65	09	7	1	1	0
	20.1	Agri Business Management (MBA)		62	9	7	1	1	0
	20.2	Agri. Marketing & Cooperation (M.Sc.)		3	0	0	0	0	0
			GRAND TOTAL	2373	475	366	73	36	14

* 3% reservation in PG Scholarship for Physically Challenged (PC) category will be horizontal across all categories, i.e. such candidates would draw Scholarship from the GEN/SC/ST category to which they belong. If the PG Scholarship is not available in a particular category to which PC candidate belongs then the same would be drawn from Gen. category, if available.

Note:

1. The admission would be granted under accredited programme(s) of an accredited college(s) under an accredited university except for Dr. RP CAU, Pusa, Bihar where 100% seats (both accredited and non-accredited programmes) will be filled up through ICAR.
2. The exact title/nomenclature of the degree programme might vary from one university to another. Candidates are advised to enquire the nomenclature of degree programme from the Registrar of university concerned (for contact details, please refer Annexure-IX) at the time of counseling/ while seeking admission.
3. From Academic Session 2017-18, the criteria for PG Scholarship (erstwhile JRF) distribution, based on total number of seats in each subject, has been changed to average number of aspirants actually appeared in the AIEEA-PG in the preceding three years. The number of PG Scholarship is tentative and may vary depending on the actual number of candidates actually appeared for the examination in a particular Major Subject. It will finally be known only at the time of counseling.
4. There will be no transfer of ICAR-PG Scholarship even if a candidate awarded PG Scholarship at the time of counseling leaves the degree programme in between for any reason.
5. There is no reservation of ICAR- PG Scholarship for candidates of OBC(NCL) and UPS category. They would be entitled for ICAR- PG Scholarship based on overall merit.

3.0 ELIGIBILITY REQUIREMENTS

3.1 Age and Nationality: Indian Nationals having age not below 19 years as on 31.08.2017 (i.e., candidate should not have been born after 01.09.1998) are eligible to appear in the examination. No relaxation is admissible regarding the minimum age limit.

3.2 Qualifying Examination

- (i) Candidate must have passed (or due to appear at the final examination) their Bachelor degree from a recognized university in the concerned field under 10+2+5 (B.V. Sc. & A.H.), 10+2+4, 10+6 years degree (B.Sc. Ag.) programmes may apply for this examination. **Few options for the candidates having passed Bachelor degree with 10+2+3 year degree programme are available in only two ICAR-DUs namely IARI Pusa and NDRI Kamal in some courses.** For admission in M.V.Sc., candidates must have completed B.V.Sc.& A.H. with internship before the date of admission in the allotted university.
- (ii) The candidate must have passed Bachelor degree examination securing Overall Grade Point Average (OGPA) of at least 6.60/10.00 in ten-point scale, 3.25/5.00 in five-point scale, 2.60/4.00 in four-point scale for General, OBC and UPS categories whereas for SC/ST/Physically Challenged (PC) candidates, the said requirement is an OGPA of at least 5.60/10.00, 2.75/5.00, 2.20/4.00, respectively. In other cases, where grade-points are not awarded and only marks are awarded, the candidate must have secured at least 60% marks for General, OBC and UPS categories, whereas for SC/ST/PC categories the requirement is 50% marks. (Please note that equivalence between OGPA and % marks will not be acceptable).
- (iii) Broad eligibility qualifications for admission to different disciplines at the Agricultural Universities are given below:

TABLE 3.2 : ELIGIBILITY QUALIFICATIONS FOR ADMISSION IN DIFFERENT DISCIPLINES

Subject/ Discipline	Eligibility Qualification for SAUs/CAUs etc. (4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI & (4) CIFE	Applicable at
01-PLANT BIOTECHNOLOGY			
1.1 Plant Bio-Chemistry/ Bio. Chem.	B.Sc. Ag./Horti. or B.Sc. (Hons.) Agriculture/ Horticulture.	B.Sc. (10+ 2+3 yrs. system)	IARI
1.2 Plant Biotech & Molecular Biology/ Biotech.	B.Sc. Ag./Horti./Forestry/ Seri./ Biotechnology or B.Sc. (Hons.) Agriculture/ Horticulture/Forestry/ Sericulture/ Biotechnology.	B.Sc. (10+ 2+3 system)	IARI
1.3 Plant/ Crop Physiology	B.Sc. Ag./Horti. or B.Sc. (Hons.) Agriculture/ Horticulture.	B.Sc. (10+ 2+3 system)	IARI

Subject/ Discipline	Eligibility Qualification for SAUs/CAUs etc.(4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
02- PLANT SCIENCES			
2.1 Plant Breeding and Genetics	B.Sc. Ag./Horti./Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/Forestry.	B.Sc. (10+ 2+3 system)	IARI
2.2 Plant Pathology	B.Sc. Ag./Horti./Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/Forestry.	B.Sc. (10+ 2+3 system)	IARI
2.3 Agricultural Microbiology/ Microbiol.	B.Sc. Ag./Horti. or B.Sc. (Hons.) Agriculture/ Horticulture.	B.Sc. (10+ 2+3 system)	IARI
2.4 Seed Science & Technology	B.Sc. Ag./Horti./Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/Forestry.	B.Sc. (10+ 2+3 system)	IARI
2.5 Plant Genetic resources	B.Sc. Ag./Horti./Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/Forestry.	B.Sc. (10+ 2+3 system)	IARI
03- PHYSICAL SCIENCE			
3.1 Agricultural /Agro. Meteorology	B.Sc. Ag./Horti./Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/Forestry.	-	-
3.2 (a) Soil Science & Agril. Chemistry	B.Sc. Ag./Horti. or B.Sc. (Hons.) Agriculture/ Horticulture .	B.Sc. (10+ 2+3 system)	IARI
(b) Soil Conservation & Water Mgmt./ SWC	B.Sc. Ag./Horti./Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/Forestry.	-	-
Mgmt.	B.Sc. Ag./Horti. or B.Sc. (Hons.) Agriculture/ Horticulture.	-	-
3.3 Agril. Physics	B.Sc. Ag./Horti. or B.Sc. (Hons.) Agriculture/ Horticulture.	B.Sc. (10+ 2+3 system)	IARI
3.4 Agril. Chemicals	B.Sc. Ag./Horti./Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/Forestry.	B.Sc. (10+ 2+3 system)	IARI
3.5 Environmental Science	B.Sc. Ag./Horti./Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/Forestry.	B.Sc. (10+ 2+3 system)	IARI

Subject/ Discipline	Eligibility Qualification for SAUs/CAUs etc.(4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
4-ENTOMOLOGY AND NEMATOLOGY			
4.1 Agricultural/Horticultural Entomology	B.Sc. (Ag.)/ Horti./ Forestry/ Sericulture or B.Sc. (Hons.) Agriculture/ Horti./Forestry/ Sericulture.	B.Sc. (10+ 2+3 system)	IARI
4.2 Nematology	B.Sc. (Ag.)/ Horticulture / Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/ Forestry.	B.Sc. (10+ 2+3 system)	IARI
4.3 Apiculture	B.Sc. (Ag.)/ Horticulture / Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/ Forestry.	-	-
4.4 Sericulture	B.Sc. (Ag.)/ Horti./ Forestry/ Sericulture or B.Sc. (Hons.) Agriculture/ Horti./Forestry/ Sericulture.	-	-
4.5 Plant Protection	B.Sc. (Ag.)/ Horti./ Forestry/ Sericulture or B.Sc. (Hons.) Agriculture/ Horti./Forestry/ Sericulture.	-	-
5-AGRONOMY			
5.1 Agronomy	B.Sc. Ag. or B.Sc. (Hons.) Agriculture.	B.Sc. (Ag.)/ B.Sc. (Ag.) Hons/ B.Sc. (Ag. & AH)	NDRI
5.2 Tea Husbandry & Technology	B.Sc. Ag./Horti./Forestry or B.Sc. (Hons.) Agriculture / Horti./Forestry.	-	-

Subject/ Discipline	Eligibility Qualification for SAUs/CAUs etc.(4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI & (4) CIFE	Applicable at
06-SOCIAL SCIENCES			
6.1 Agricultural Economics	B.Sc. Ag./ Horticulture/ Agril. Marketing and Co-operation/Forestry or B.Sc. (Hons.) Agriculture/ Horticulture/ Agril. Marketing and Co-operation/Forestry.	B.Sc. Dairying/ B.Sc. Dairying (DT)/ B. Tech.(DT)/ B.V.Sc. & AH/ B.Sc. (Animal Sciences) /B.F.Sc.	IARI
6.2 Dairy Economics	B.Sc. (Dairy Tech.)/ B.Tech. Dairy Engg./ B.V.Sc. & A.H.	B.Sc. Dairying/ B.Sc. Dairying (DT)/ B. Tech.(DT)/ B.V.Sc. & AH/ B.Sc. (Animal Sciences) /B.Sc. (Ag.)/B.Sc. Home Science./ B.Sc. (Agri./Horti./Ag. Marketing & Co-operation)	NDRI
6.3 Agri. Exten./ Extn. Education/ Communication	B.Sc. Agriculture/ Horticulture/ Forestry/ Sericulture/ B.Sc. (Hons.) Agriculture/ Horticulture/ Forestry/ Sericulture.	B.Sc. Dairying/ B.Sc. Dairying (DT)/ B. Tech.(DT)/ B.V.Sc. & AH/ B.Sc. (Animal Sciences) /B.F.Sc.	IARI
6.4 Dairy Extension Education	B.Sc. Dairying (DT/DH)/ B. Tech. (DT) /B.V.Sc. & A.H.	B.Sc. Dairying/ B.Sc. Dairying (DT/DH)/ B.Tech. (DT)/ B.V.Sc. & AH/ B.Sc. (Animal Sciences)/ B.Sc. (Ag.) / B.Sc. (Ag. & AH)/ B.Sc.(Ag.) Honors/ B.Sc. Home Science (with elective Extension Education).	NDRI
07- STATISTICAL SCIENCES			
7.1 Agricultural Statistics	B.Sc. Agriculture/ Horti. /Forestry/ Sericulture/ Agricultural Marketing & Coop./B.F.Sc./ Veterinary Sciences/ B.Tech. in Agril. Engg. or B.Sc. (Hons.) Agriculture/ Horti. /Forestry/ Sericulture/ Agricultural Marketing & Coop./ B.F.Sc./ Veterinary Sciences/ B.Tech. in Agril. Engg.	B.Sc. (10+2+3 system)	IARI

7.2 Computer Application	B.Sc. Agriculture/ Horti. /Forestry/ Sericulture/ Agricultural Marketing & Coop./ Veterinary Sciences/ B.Tech. in Agril. Engg. or B.Sc. (Hons.) in Agriculture/ Horti./Forestry/ Seri./ Agril. Mktg. & Coop./ Veterinary Sciences/ B.Tech. in Agril. Engg.	B.Sc. (10+2+3 system)	IARI
7.3 Bioinformatics	B.Sc. Agril./Horticulture/Forestry /B.F.Sc. /B.Sc. (Hons.) Agric./Horticulture/Forestry /B.F.Sc./B.Sc. Agril. Engg / B. Tech. Agril. Engg.	B.Sc. (10+2+3 system)	IARI

Subject/ Discipline	Eligibility Qualification for SAUs/CAUs etc.(4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI & (4) CIFE	Applicable at
08- HORTICULTURE			
8.1 Horticulture	B.Sc. Agriculture/ Horticulture or B.Sc. (Hons.) Agriculture/ Horticulture.	-	-
8.2 Vegetable Crops or Sci./ Olericulture	B.Sc. Agriculture/ Horticulture or B.Sc. (Hons.) Agriculture/ Horticulture.	-	-
8.3 Pomology/Fruit Sc., Fruit Sci. & Hort. Technology	B.Sc. Agriculture/ Horticulture or B.Sc. (Hons.) Agriculture/ Horticulture.	-	-
8.4 Post-Harvest Technology of Horticultural Crops	B.Sc. Agriculture/ Horticulture or B.Sc. (Hons.) Agriculture/ Horticulture.	-	-
8.5 Floriculture and Landscaping Architecture	B.Sc. Agriculture/ Horticulture or B.Sc. (Hons.) Agriculture/ Horticulture.	-	-
8.6 Plantation Spices, Medicinal & Aromatic Crops	B.Sc. Agriculture/ Horticulture or B.Sc. (Hons.) Agriculture/ Horticulture.	-	-
09-FORESTRY/AGROFORESTRY AND SILVICULTURE			
9.1 Forest Production & Utilization	B.Sc. Forestry or B.Sc. (Hons.) Forestry.	-	-
9.2 Silviculture & Agroforestry	B.Sc. Forestry or B.Sc. (Hons.) Forestry.	-	-
9.3 Tree Physiology and Breeding	B.Sc. Forestry or B.Sc. (Hons.) Forestry.	-	-
9.4 Agroforestry	B.Sc. Forestry or B.Sc. (Hons.) Forestry.	-	-
9.5 Forest NRM/ Forest Mgmt. & Utilization	B.Sc. Forestry or B.Sc. (Hons.) Forestry.	-	-
9.6 Plantation Technology	B.Sc. Forestry or B.Sc. (Hons.) Forestry.	-	-
9.7 Wildlife Sci. (Forestry)	B.Sc. Forestry or B.Sc. (Hons.) Forestry.	-	-
9.8 Wood Science	B.Sc. Forestry or B.Sc. (Hons.) Forestry.	-	-

Subject/ Discipline	Eligibility Qualification for SAUs/CAUs etc.(4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
10- AGRICULTURAL ENGINEERING & TECHNOLOGY			
10.1 Soil and Water Cons Engg./Soil & Water Engg.	B.Tech. Agril. Engg./ Mechanical/Civil/Elect./ Electronics.	-	-
Drainage Engg./ Irr. Water Mgmt. Engg.	B.Tech. Agril. Engg./ Mechanical/Civil/Elect./ Electronics.	-	-

10.3 Post-Harvest Technology/ Processing & Food Engg.	B.Tech. Agril. Engg./ Agric. & Food Engg./ Mechanical/Civil/Elect./ Electronics/ Food Engg./ Process and Food Engg./Chemical Engg.	-	-
10.4 Farm Machinery and Power Engg.	B. Tech. Agril. Engg./ Mechanical/Civil/Elect./ Electronics/ Production Engg.	-	-
10.5 Renewable Energy Engg.	B.Tech. Agril. Engg./ Agric. & Food Engg./ Mechanical/Civil/Elect./ Electronics/ Production Engg./ Food Engg./ Process and Food Engg.	-	-
11-WATER SCIENCE & TECHNOLOGY			
11.1 Water Science & Technology	B.Sc. (Agriculture)/ Horticulture or B.Sc. (Hons) (Agriculture)/Horticulture/ B. Tech. (Agri. Engg.).	-	-
12- HOME SCIENCE (CURRENTLY RENAMED AS COMMUNITY SCIENCE)			
12.1 Food & Nutrition	B.Sc. Home Science or B.Sc. (Hons.) Home Science.	-	-
12.2 Human Development and Family Studies	B.Sc. Home Science or B.Sc. (Hons.) Home Science.	-	-
12.3 Home Management/Family Resource Management	B.Sc. Home Science or B.Sc. (Hons.) Home Science.	-	-
12.4 Clothing and Textile/ Textile & Apparel Designing	B.Sc. Home Science or B.Sc. (Hons.) Home Science.	-	-
12.5 Home Science Extn./Edn./ Extn. & Comm. Mgmt.	B.Sc. Home Science or B.Sc. (Hons.) Home Science.	-	-

Subject/ Discipline	Eligibility Qualification for SAUs/ CAUs etc. (4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI & (4) CIFE	Applicable at
13-ANIMAL BIOTECHNOLOGY			
13.1 Animal Biotechnology	B.V.Sc. & A.H.	B.Sc. Dairying/ B.Sc. Dairying (DT/DH) /BE/ B.Tech. (Biotechnology)/ B.Tech. in (Chemical Engg./Biochemical Engg./Food Tech./ Fermentation Tech.)/ B.V.Sc. & AH /B. Pharma/ Biotechnology/ B.Sc.(10+2+3 system).	NDRI
13.2 Veterinary/ Animal Biochemistry	B.V.Sc. & A.H.	B.Sc. Biochemistry/ B.Sc.(Hons) Biochemistry/ Biotechnology/ Biomedical Sci./ B.V.Sc. & A.H./ B.Sc.(10+2+3 system). B. Tech./ B.E. in Biotech. /Dairy Tech./ Food Tech.	NDRI

Subject/ Discipline	Eligibility Qualification for SAUs/CAUs etc.(4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
14-VETERINARY SCIENCE			
14.1 Veterinary Anatomy / Veterinary Anatomy & Histology	B.V.Sc. & A.H.	-	-
14.2 Vety. Gynecology and Obst./ Ani. Reproduction	B.V.Sc. & A.H.	-	-
14.3 Vety. Medicine (Clinical/ Preventive)	B.V.Sc. & A.H.	-	-
14.4 Vety. Parasitology	B.V.Sc. & A.H.	-	-

14.5 Vety. Pharmacology and Toxicology	B.V.Sc. & A.H.	-	-
14.6 Vety. Pathology	B.V.Sc. & A.H.	-	-
14.7 Wildlife Sci./ Wildlife Health Mgt.	B.V.Sc. & A.H.	-	-
14.8 Vety. Virology	-	B.V.Sc. & A.H.	IVRI
14.9 Vety. Immunology	-	B.V.Sc. & A.H.	IVRI
14.10 Vety. Microbi. & Immunology/ Bacteriology	B.V.Sc. & A.H.	-	-
14.11 Vety. Surgery & Radiology	B.V.Sc. & A.H.	-	-
14.12 Vety. Public Health & Epidemiology/ Vety. Public Health/ Vety. Epidemiology/ Vety. Epidemiology & Preventive Medicine	B.V.Sc. & A.H.	-	-
15-ANIMAL SCIENCES			
15.1 Animal Husbandry/ Dairy Sci.	B.Sc. Ag./B.Sc.(Hons.) Agric./B.Sc. (Dairying) /B.Sc. (Dairy Tech.)/B.V.Sc. & A.H.	-	-
15.2 Animal Genetics and Breeding	B.V.Sc. & A.H.	B.V.Sc.&AH/ B.Sc. Dairying/ B.Sc. (Dairying & AH)/ B.Sc. (Anim. Sci.)/ B.Sc. (Ag. & AH)/B.Sc. (Genetics)/B.Sc. (Biotech.)/B.Sc. (10+2+3 system).	NDRI

Subject/ Discipline	Eligibility Qualification for SAUs/CAUs etc. (4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
15.3 Animal Nutrition	B.V.Sc. & A.H.	B.V.Sc. & AH/B.Sc. (Ag. & AH) / B.Sc. (10+2+3 system).	NDRI
15.4 Vety./Anim. Physiology	B.V.Sc. & A.H.	B.Sc. Dairying/ B.Sc. Dairying (DH)/ B.V.Sc. & AH/ B.Sc. (Anim. Sci.)	NDRI
Mgmt.	B.V.Sc. & A.H.	B.V.Sc. & AH/ B.Sc. Dairying/ B.Sc. (Animal Sciences)/ B.Sc. (Ag. & AH).	NDRI
15.6 Livestock Products Technology	B.V.Sc. & A.H.	-	-
15.7 Poultry Science	B.V.Sc. & A.H.	-	-
15.8 Vety. & Animal Husbandry Extension	B.V.Sc. & A.H.	-	-
15.9 Livestock/ Veterinary/Animal Husbandry Economics	B.V.Sc. & A.H.	-	-
15.10 Bio- Statistics	B.V.Sc. & A.H.	-	-
16-FISHERIES SCIENCE			
16.1 Fisheries Sciences/ Fish Env. Mgmt.	B.F.Sc.	-	-
16.2 Fisheries Resour. Mgmt.	B.F.Sc.	-	-
16.3 Aquaculture	B.F.Sc.	-	-
Processing Technol./ Fish PHT	B.F.Sc.	-	-
16.5 Fish Physiol. & Biochem.	B.F.Sc.	-	-
Health Mgmt.	B.F.Sc.	-	-
16.7 Fisheries Extension	B.F.Sc.	-	-
16.8 Aquatic Env. Mgmt.	B.F.Sc.	-	-

16.9 Fish Genetics/ Breeding/ Biotechnology	B.F.Sc.	-	-
16.10 Fish Nutrition and Feed Tech.	B.F.Sc.	-	-
16.11 Fish. Economics	B.F.Sc.	-	-
16.12 Fish Engg. & Technology	B.F.Sc.	-	-

Subject/ Discipline	Eligibility Qualification for SAUs/CAUs etc. (4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
17-DAIRY SCIENCE			
17.1 Dairy Microbiology	Dairying (DT/DH)/ B.Sc. (DT).	B.Sc. Dairying/ B.Sc. Dairying (Dairy Technol.)/ B. Tech (Dairy Technol./Biotech.)/ B.V.Sc. & AH/ B.Sc.(Hons) Microbiology/ B.Sc. Food Tech., Food Sci./ Biotechnol./ Food Sci. and Technol./Industrial Microbiology/ Medical Microbiology/ Microbial & Food Technology/B.Sc. with Microbiology /Industrial Microbiology. B.Sc.(10+2+3 system).	NDRI
17.2 Dairy Chemistry	Dairying (DT/DH)/ B.Sc. (DT).	B.Sc. Dairying/B.Sc. Dairying (DT)/B. Tech. (DT)/B. Tech./B.Sc.(Food Technology/Food Sci./Food Sci. & Technol./Food Technol. Mgmt./ B.V.Sc. & A.H/ B.Sc. Hons. (Chemistry). B.Sc.(10+2+3 system).	NDRI
18-DAIRY TECHNOLOGY			
18.1 Dairy Technology	B.Sc. Dairying/B.Tech. Dairy Technology.	B.Sc. Dairying/ B.Sc. Dairying (DT)/ B.Tech. (DT)/B.Sc. Food Tech. / B.Tech. Food Tech. (4 years degree)/B.Sc. (Microbial & Food Tech.) - 4 years degree .	NDRI
18.2 Dairy Engineering	B.E./B.Tech. (Dairy Engineering).	B.Sc. Dairying/ B.Sc. Dairying (DT)/ B.Tech. (DT)/B.Sc. Food Tech. / B.Tech. Food Tech. (4 years degree)/ B.Tech. Agril. Engg./B.Sc. (Microbial & Food Tech.) - 4 years degree .	NDRI
19-FOOD SCIENCE TECHNOLOGY (M. Sc. Degree will be awarded)			
19.1 Food Technology/Food Science & Technology	B.Sc. Agric./ Horti./ B.Sc. (Hons.) Agriculture/ Horticulture./ Food Sci. & Technol./ B.E. (Agril.)/ B. Tech. (Agril. Engg.)/ B. Tech. (Food Technology).	-	-
19.2 Food Safety & Quality Assurance	-	B. Tech. Dairy Technol./or Food Technol./Food Technol. & Mgmt. B.Sc. Food Sci./ Home Sci./ Food Microbiol./Industrial Microbiol./Medical Microbiol./B.Sc. (10+2+3 system). B.Sc. Ag. / Horti. / B.Sc. (Hons.) Agriculture/ Horticulture/ B.V.Sc. & AH.	NDRI
19.3 Food Science & Nutrition	-	B.Sc./B.Sc.(Hons.) in Biochemistry/ B.V.Sc.& A.H./B.Sc.(Ag.)/ B.Tech. (Dairy Technology)/ B.Tech./ B.E.(Food Technology). B.Sc. (Food Science)/B.Sc. (10+2+3 system). B.Sc. Horti./ B.Sc. (Hons.) Agriculture/ Horticulture.	NDRI

Subject/ Discipline	Eligibility Qualification for SAUs/ CAUs etc.(4/5/6 years Bachelors' degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
20- AGRI BUSINESS MANAGEMENT			

20.1. Agri Business Mgmt. (MBA)	B.Sc. Ag./Horti./Forestry/ Seri./ B.Sc. (Hons.) Agriculture/Horti./ Agril. Marketing, & Co-operation/ Sericulture/ Commercial Agriculture Buss. Mgmt./ Forestry/ B.Tech. Agril. Engg./ Vety. Sci./ Dairy Sci./Fishery Sci./Food Sci. & Technology/ B. Tech. Biotechnology.	-	-
20.2. Agril. Marketing and Co-operation (M.Sc.)	B.Sc. Agril. Marketing and Co-operation /Agriculture/Horticulture/Agriculture Engg./Sericulture /Commercial Agriculture/Business Management/ Forestry/Veterinary Science.	-	-

NOTE:

1. Candidate must fulfill the eligibility conditions as indicated above. They are generally eligible for pursuing Master Degree in the subject in which they have passed their graduation.
2. For admission in Master degree courses under ICAR-AU system, candidate must have four years Bachelor degree in Agriculture, Horticulture, Forestry, Fisheries Science, Home Science etc., after 10+2 or equivalent or 10+6 examination.
 's degree programmes through entrance examination conducted by ICAR, **only the candidates having passed graduation with four years' degree programme from any recognized University will be eligible.** The candidates having passed Bachelor's degree with 3 years' duration will not be considered for admission through AIEEA-PG-2017 in accredited AUs under ICAR-AU system except at two ICAR DUs, viz. IARI, NDRI, for which the eligibility criteria of the concerned ICAR-DU, including admission of graduates having passed with 3 years' degree, would prevail for admission. Master degree programme for graduates from non-agricultural stream would be of three years duration, the first year of which will be exclusively for remedial courses. introductory agriculture and orientation programmes.
3. Though four/five(B.V.Sc.&A.H.)/six (10+6) years Bachelor degree is a compulsory requirement for admission to Master degree in Agriculture/ Horticulture/Veterinary sciences but IARI Pusa and NDRI Karnal may admit three-years B.Sc. degree holders in certain subjects.
4. Candidates declared qualified for counseling/allotted the seat, may seek admission only during the session for which examination has been conducted. They are not entitled to claim for admission in other sessions/subsequent years based on this year's examination.

4.0 UNIVERSITY-WISE AND SUBJECT-WISE NUMBER OF SEATS AVAILABLE FOR ADMISSION

The ICAR seats (tentative number) available for admission through this examination in Master degree in different disciplines at accredited Agricultural Universities for the academic session 2017–18 are given in **Annexure-II**. It has been decided by the Council that filling of 25% seats in PG programmes in Agricultural Universities through ICARs Entrance Examination will not be allowed for non-accredited programmes, colleges and the universities. Exact seat position, based on the information provided by the universities, would be known only on the counseling date.

5.0 RESERVATION OF SEATS FOR SC/ST, PC, UPS AND OBC (NCL)

5.1 Scheduled Caste/ Scheduled Tribe/ Physically Challenged/ Other Backward Classes

- (i) There would be reservation of seats as well as ICAR- PG Scholarship to the extent of 15% for Scheduled Caste and 7.5% for Scheduled Tribe candidates in different disciplines. The reservation of seats among SC/ST categories is interchangeable i.e., if sufficient number of candidates are not available to fill up the seats as well as PG Scholarship reserved for ST candidates, these can be filled up from among suitable SC candidates and vice-versa in a given subject as per merit-rank in examination. The original SC/ ST certificate in prescribed form (**Annexure-III**) is required to be produced for verification at the time of admission. Depending on merit and choice, they can also take seat from the General Category.
- (ii) Three percent seats are reserved, **horizontally across the categories** in different subjects, for Physically Challenged (PC) candidates suffering from low vision, hearing impairment, locomotors disability or cerebral palsy with appropriate medical certificate having at least 40% disability and found suitable by the Counseling Committee/University official. The candidate applying for admission under this category should submit a copy of the certificate about being handicapped from a Govt. Hospital/Medical Board at the time of admission in

allotted university. The criteria for assessing the degree of handicap could be variable from one subject to another. The decision of the University allotted will be final in this regard.

- (iii) Reservation for candidates belonging to Central OBC (NCL) category would be available at BHU, Viswa Bharati, AMU, SASARD Nagaland University, CAUs, CIFE, IARI, IVRI and NDRI universities as per latest Government of India directives applicable at the time of counseling and Hon'ble SC Judgment dated 18th August, 2011 and communication of seats by these universities at the time of counseling. Candidates claiming admission under this category have to produce a Central OBC certificate as per specimen enclosed in **Annexure-IV**.

5.2 RESERVATION FOR REMOTE AND UNDER PRIVILEGED STATES/UT (UPS)

Two percent seats under each discipline would be reserved, horizontally, across categories for the candidates of the remote and under privileged States/UTs namely (i) Andaman & Nicobar Island, (ii) Arunachal Pradesh, (iii) Dadra and Nagar Haveli, (iv) Daman & Diu, (v) Goa, (vi) Lakshadweep, (vii) Manipur, (viii) Meghalaya, (ix) Mizoram, (x) Nagaland, (xi) Sikkim and (xii) Tripura where educational facilities in agriculture and allied science subjects either do not exist or have no SAU(s) and who qualify this examination. UPS candidates will have to produce domicile certificate issued by the competent authority at the time of admission. There will not be any State quota within this quota.

6.0 ICAR- PG SCHOLARSHIP AND NTS (PGS) FOR POST GRADUATE STUDIES AND PG ADMISSIONS

ICAR PG Scholarship will be awarded to meritorious candidates seeking admission in the Agricultural Universities where Master degree programme consists of course and research work. Candidates pursuing Master degree programme can also apply for fresh admission and compete for ICAR- PG Scholarship provided they have not completed the first year of their postgraduate degree programme. The ICAR- PG Scholarship would be awarded for two years from the date of registration in the Master degree programme. For graduates with 10+2+3, if admitted in IARI and NDRI and awarded ICAR- PG Scholarship, no fellowship would be payable during the first year of their degree program, i.e. while completing remedial courses in the first year. No extension in ICAR- PG Scholarship duration beyond 2 years will be granted. In case the fellowship allotted to a candidate is vacated for any reason, the same will not be allotted/ transferred to any other candidate even if there are candidates next to him/her in the merit in same or other subject group. ICAR- PG Scholarship awardees of last year(s), even if in merit, will not be awarded ICAR- PG Scholarship again; however, admission would be granted to them as per their merit rank. Further, if ICAR- PG Scholarship holder seeks fresh admission, entire amount of fellowship received by him/her shall have to be refunded back to the university with Interest. The fellowship will be at the rate of Rs.12,000/- per month for graduates of Veterinary Sciences pursuing Veterinary studies and Rs.8,640/- per month in other cases for a period of two years together with a contingent grant of Rs.6,000/- per year for procurement of essential chemicals, equipments, books and travel connected with the research work. Not more than 50% of the contingent grant will be spent for purchase of books. All purchases are to be made with the approval of the Major Advisor/Chairman of Student Advisory Committee. All candidates who have been awarded ICAR- PG Scholarship have to execute a surety Bond of appropriate amount as per University rules and regulations at the time of registration in the University. The AU will ensure that if the candidate leaves before completion of the programme, he /she refunds the scholarship amount drawn by him /her to the Council.

To get ICAR- PG Scholarship, the candidate must pursue Master's degree from an AU in a state different from the one where the AU of his /her Bachelor's degree is located, i.e. AUs of Bachelor's degree and Master Degree should be located in different states. This condition, however, shall not apply for admission to NDRI Karnal where admissions to 100% seats of Bachelor's degree programme are made on the basis of All India Entrance Examination conducted by ICAR.

The non- PG Scholarship/NTS(PGS) candidates shall be eligible to get National Talent Scholarship (NTS) of Rs. 3000/- per month for two years provided they join Master degree programme in an AU located in a state different from their state of domicile. For further details, the candidates may see the Guidelines for NTS (2016) available at [http://www.icar.org.in/files/FINALGuidelines_\(GNTS\)-26072016.pdf](http://www.icar.org.in/files/FINALGuidelines_(GNTS)-26072016.pdf). Even the candidates who do not want to avail NTS(PGS) have to mandatorily seek admission in an AU different from the one from where they have graduated.

The award of PG scholarship and NTS (PGS) shall be governed by the rules and regulations issued by the Council from time to time in this regard. After the admission, under no circumstances, the request for change of subject and the university will be entertained from the candidates/parents.

7.0 GENERAL SCHEME OF ENTRANCE EXAMINATION

7.1 Examination Schedule

- | | |
|-------------------------|---|
| (i) DATE OF EXAMINATION | SUNDAY, the 11 th June, 2017 |
| (ii) DURATION | 2½ hours, Time 10.00 A.M. to 12.30 P.M. |

7.2 Major Subject Groups, Question Papers and Writing Answers in the Examination

- (i) The examination shall have one question paper for each of the 20 major subject-groups, consisting of 150 multiple-choice objective type questions, each with four options and also 10 cross-matching type questions, each having five sub-questions/pairings for every subject-group paper. The details of the 20 major subject-groups are given in **Table 2.1**
- (ii) In each subject-group, 150 multiple choice objective type questions would be serially numbered from 1-150 whereas 10 cross-matching type questions would be serially numbered from 151-160.
- (iii) **Marking scheme:** Each correctly answered multiple-choice objective type question will earn four marks whereas each correctly answered cross-matching type question will earn 5 marks (1 mark for each correct pairing) with a maximum of 650 marks for each major subject-group paper. For each incorrectly answered multiple-choice objective type question, one mark would be deducted from the total score whereas for each incorrectly answered cross-matching type sub-question/pairing, 0.2 marks would be deducted from the total score. Question with no response indicated will not be awarded any mark and there will be no negative marking for that question. The candidates are advised not to attempt such questions in the OMR answer sheet, for which they are not sure of the correct answer. More than one answer indicated against a question will be deemed as incorrect answer and will invite negative marking.
- (iv) Candidate will be required to choose the correct answer and mark in the OMR answer sheet by darkening the corresponding circle/bubble against the serial number of the question with black/ blue ball-point pen.
- (v) Syllabi for the 20 Major Subject-groups for the entrance examination are given at **ANNEXURE- I**.
- (vi) A visually challenged (blind) candidate, can request for the services of amanuensis (Scribe) who must be one grade junior in academic qualification i.e. not more than XII pass in the present case and should not be related to the candidate. For amanuensis, the candidate must submit a separate request letter, at least one week in advance, to the concerned Nodal Officer of the Examination City Centre giving a copy of the PD/PC certificate issued by a competent authority. The services of amanuensis (Scribe) who should be from academic discipline other than that of the candidate, shall be provided free of cost by the Nodal Officer. The scribe will have to give a suitable undertaking, confirming that the scribe fulfills all the stipulated eligibility criteria for a scribe as mentioned above. In case, later on it is proved that candidate has suppressed material facts, the candidature of the applicant will stand cancelled, irrespective of the outcome of result of the written test. Such candidates who use a scribe shall be eligible for extra time of 50 minutes during examination.

7.3 Examination City Centres

- (i) A list of Examination City Centres with numeric code and the contact address of Nodal Officer at those cities is given in **ANNEXURE-V**.
- (ii) Candidate must fill the numeric code for the Examination City Centre from where he/she opts to appear for the Examination. ICAR may change/shift the examination city center opted by the candidate to another nearby center, if number of candidates are more at any examination city center.
- (iii) **The Examination City Centre, once opted, shall not be changed. The e-Admit Card will be uploaded on ICAR website www.icar.org.in. In case of any problem related to e-Admit card, please contact COE (Agril. Edn.) or concerned Nodal Officer on telephone after Last week of May, 2017.**

7.4 Ensuring Eligibility Requirements are Satisfied: Candidate should fill-up the **online** Application Form with due care and must ensure that he/she fulfills the eligibility requirements for the examination as well as admission as detailed in this Information Bulletin. No certificates are required to be attached with the Application at the time of online submission of Application. Eligibility of the candidate for the examination and admission is not checked until the date of counseling/personal appearance of the candidate for admission in the allotted university when the related

documents will be checked and verified. It means the documents / certificates etc., will be checked directly at the time of admission in the admitting university. In case the candidate is found not-eligible at any stage, his/her candidature would be summarily rejected and admission will be cancelled.

7.5 Options for Agricultural University/ Subject for Admission: Candidates are not required to give any option for admission in any Agricultural University/subjects at the time of filling up online application form. The admission/allotment of seats in the Agricultural Universities will be made through online counseling in accordance with the choice made by the qualified candidate during the online counseling process, and as per the seats available at his/her merit-rank depending on their eligibility.

7.6 e-Admit Card: The e-Admit Card will be uploaded on ICAR website during specified period. This copy of Admit Card must be self-attested by the candidate and brought to the Examination Hall for appearing in the examination. **Candidate may note that without self-attestation of photo as well as signature and putting thumb impression of the candidate on e-Admit card, candidate will not be allowed to appear in the examination.** Candidate is advised to preserve this e-Admit card till completion of counseling and admission process in the allotted Agricultural University. In case of any difficulty in obtaining the roll number/examination venue from the ICAR website, the candidate is advised to contact the Nodal Officer of the respective Examination City center; two days before the scheduled examination date (see **ANNEXURE-V** for contact details of Nodal Officers).

7.7 Evaluation and Declaration of Result

- (i) The OMR answer sheets of the candidates shall be scanned through computer/scanner and evaluated through computer by matching the OMR sheet responses of the candidate with the major subject-group-wise Answer Key templates prepared beforehand. Overall merit-rank list shall be prepared separately for every major subject-group. In the event of candidates getting equal marks in the Entrance examination, relative merit will be determined on the basis of OGPA/ % of marks as applicable obtained in the qualifying Bachelor degree examination. In the event of tie again, a candidate, higher in age, would be rated higher in merit. **Category-wise final merit list for counseling shall be prepared based on the reservation category information given by the candidate in OMR Answer sheet.**
- (ii) The result of the AIEEA-PG-2017 is likely to be declared by 30th **June, 2017** and will be placed on ICAR website. The copies of the result will also be displayed at the Examination Cell of the Indian Council of Agricultural Research, Krishi Anusandhan Bhavan II, Pusa, New Delhi-110 012.
- (ii) The result of the entrance examination would be available in terms of overall merit-rank obtained by the candidates qualified for counseling.
- (iv) All announcements related to the conduct of entrance examination including, issue of examination notification, e-Admit card information, examination result, schedule of online counseling, general notices, etc., would be posted and available on the ICAR website. **The candidates are advised to be vigilant about the announcements on the ICAR website as the ICAR would not be held responsible for non-receipt of any information/ letter by post or otherwise.**
- (v) No separate intimation about non-selection in **AIEEA-PG-2017** Examination, nor marks obtained therein, will be sent to the candidate and no correspondence (Letter/ Fax/ e-mail etc.) in this regard will be entertained.

7.8 No Re-Checking/ Re-Evaluation of OMR Answer Sheets: No representation for re-evaluation/re-checking shall be entertained as answer sheets of the entrance examination are in the format of OMR sheets which are evaluated through computerized scanning/processing. However, the candidate may be allowed to inspect his/her own OMR Answer Sheet along with answer key or given a copy thereof, if such representation/request is submitted by the candidate in his or her own hand writing and signature **within 10 days** from the date of declaration of result on ICAR website along with a copy of e-admit card, copy of Application form and Demand Draft of Rs. 500/- (Rupees five hundred only) drawn in favour of "Secretary, ICAR Education Division Revolving Fund" payable at New Delhi.

7.9 Admission through ICAR Examination

- (i) Based on the overall merit-rank, the candidate is allowed to take admission in a specific degree programme at an Agricultural University as per the choice of the candidate and the availability of seat at that merit rank through a process of online counseling as explained at item 9.0. In the matter of allotment/admission of candidates to respective Agricultural Universities, the decision of the ICAR/Agricultural University concerned shall be final. Once a candidate accepts admission/joins an Agricultural University, he/she will be a bona-fide student of that Agricultural University and he/she would, thereafter, be governed by all the academic rules/regulations including migration, as applicable at that university. ICAR will not entertain any direct request from the candidates in any such matters thereafter.
- (ii) After the admission in allotted university, change in the subject/university or transfer/migration would not be permissible under any circumstances. ICAR will have no responsibility for change of subject/university after the counseling. No correspondence in this respect will be entertained. Canvassing of any kind may invite cancellation of admission.
- (iii) Candidate selected for admission through AIEEA-PG-2017, conducted by ICAR, may seek admission only during the session for which the Examination has been conducted. He/she will not be entitled for admission in subsequent sessions based on this year's Examination and thus cannot claim for seat allotment in other sessions/years based on this examination.
- (iv) Female candidates admitted through this examination on ICAR seats should be accommodated, to the extent possible, in the main campus of the University or in the campus located in a major city where there are adequate facilities for the stay of female students.
- (v) In case, at any stage, the documents submitted by the candidate are found to be fake /forged, admission of the candidate will be forfeited and he/she shall be liable for consequential legal action.
- (vi) If any candidate/person engages in act(s) that might possibly lead to the leakage of question paper (s), or attempt to use or help in the use of unfair means in the examination, he/she will be liable to legal action under the Indian Penal Code, and his/her candidature would stand forfeited.
- (vii) Any external pressure/canvassing by the candidate for admission will be treated as disqualification and his/her admission will be cancelled forthwith.

7.10 LEGAL JURISDICTION: All disputes pertaining to the conduct of Examination and any other issue relating to All India Entrance Examination conducted by ICAR, shall fall within the jurisdiction of Delhi Courts only. As per Rules and Bye-laws of ICAR Society, it may sue or be sued in the name of Secretary, ICAR.

Note: Students are warned not to indulge in any kind of ragging inside or outside the campus of the educational institution. As per Hon'ble Supreme Court directives, severe disciplinary action will be taken by the concerned institution against the students/persons found to be indulging in ragging.

8.0 INSTRUCTIONS TO CANDIDATES FOR EXAMINATION

8.1 Filling of On Line Application Form

Application is allowed **ONLINE only. No application will be allowed on any other format and will be summarily rejected.**

- (i) A candidate can apply for taking examination in only one Major Subject Group. No change would be allowed thereafter. **The Choice of degree programmes (sub-subjects) for admission need not to be given. Choice of degree programmes for admission will be available at the time of online counseling based on availability of seats, and merit rank of the candidate. The Name of Examination i.e. AIEEA-UG-2017, Application number, the Examination City Centre chosen, Aadhaar Number or applicable ID proof Number and the Sex, must be quoted in all future correspondences.**
- (ii) Online application, filled-in correctly and complete in all respects including payment of fee, should be submitted and a computer generated hard copy of the same, after downloading, should be sent through Registered/ Speed Post only so as to reach the office of Controller of Examinations (Agril. Education), ICAR, Room No. 216, Krishi Anusandhan Bhavan-II, Pusa, New Delhi 110 012, well in time but not later than the last date i.e. 15-05-2017. Any incomplete application or application received after the last date may not be considered and no claim/correspondence in this regard will be entertained. The ICAR will not be responsible for any postal delay or loss of application during transit in this regard.

- (iii) The candidates appearing in the Bachelor degree final examination are also eligible to apply provisionally and appear in the Entrance Examination, but they will have to submit documentary proof as indicated at item No. 9.1 (iii) b. and c. Non-submission of documentary evidence of completion of degree and non-attaining prescribed eligibility (refer item No. 3.0) by the date of admission will disqualify him/her for admission.
- (iv) Candidates are not required to submit any certificates / marks sheet etc. with the Application. It is the sole responsibility of the candidates to ensure that they fulfill the specified eligibility in *toto* before appearing in the examination.
- (v) Detailed instructions for online application may be read carefully before filling and submitting application.
- (vi) If any candidate at any stage is found to have furnished wrong information or deliberately suppressed any relevant information, his/her candidature/ admission will be rejected/ cancelled as soon as it comes to the notice of either ICAR or the university concerned.
- (vii) **Applications without Aadhaar number or 28 digit Aadhaar Enrolment ID or in case of candidates from J&K, Assam & Meghalaya, a passport number/ration card number/bank account number or any other valid Govt. identity number, shall be summarily rejected and no correspondence in this regard shall be entertained.**
- (viii) IN-SERVICE CANDIDATE MUST SUBMIT THE COMPUTER GENERATED HARD COPY OF THEIR APPLICATION THROUGH PROPER CHANNEL WITH SPONSORSHIP CERTIFICATE IN THE FORMAT GIVEN AT **ANNEXURE-XII**. THE IN-SERVICE CANDIDATE, SEEKING ADMISSION TO ICAR DUs, SHOULD ALSO SEE RESPECTIVE UNIVERSITY WEBSITE.

The candidate has to visit ICAR website www.icar.org.in and click the option of filling online application AIEEA-PG-2017. The candidate can download prospectus, read it carefully and then fill his / her form online. During filling of prescribed online form, candidate can either opt for making fee payment through **Credit / Debit card or Net Banking using Payment Gateway of Canara Bank**.

a. Making payment through Credit/Debit card or Net Banking using Payment Gateway of Canara Bank

During online filling of the form, candidate can opt for making fee payment through Credit / Debit card or Net Banking using Payment Gateway of Canara Bank. In this case, the candidate will make payment directly using a computer and will not be required to visit the bank. Receipt of such payments/ application is confirmed immediately.

Note: While filling the online form, candidate should upload soft copy of his /her clear, recent, colour photograph with name and date, thumb impression (his left/ her right hand) and signature and send its computer generated hard copy, after completing declaration in his/her own handwriting, to COE (Agril. Edn.) by post at the given address.

8.2 Conduct of Examination

- (i) Examination hall will be opened to candidates 30 minutes before the commencement of examination.
- (ii) **Candidate who does not possess both e-Admit Card and Aadhaar card or 28 digit Aadhaar Enrolment ID proof or in case of candidates from J&K, Assam & Meghalaya, a passport /ration card /bank account passbook or any other valid Govt. Identity card will not be admitted to the Examination Hall under any circumstances.**
- (iii) Pre-written material in any form viz., notes/books/log table etc., and mobile phones/i-pods, tablets, calculator or any other electronic device are not allowed inside the examination hall. ICAR reserves all rights to verify the identity and genuineness of each candidate by any means that is considered appropriate. For verification, candidate may be searched at any time during the examination.
- (iv) The examination will start strictly on time and an announcement to this effect will be made by the Invigilator.
- (v) A time signal will be given by ringing a long bell at the start of the examination. To indicate that one hour is remaining and 15 minutes are remaining, short bells will be given. A signal (long bell) will also be given at the closing time for collection of OMR sheet and question booklet when the candidate must stop writing/markings

the answers.

- (vi) Candidate coming late may be allowed to enter the examination hall up to 10.30 A.M. but no extra time will be given. Candidate who comes late after 30 minutes of the commencement of the examination will not be permitted.
- (vii) Fifteen minutes before the commencement of the examination, each candidate will be given OMR Answer Sheet and five minutes before, the Question Booklet.
- (viii) Immediately on receipt of Question Booklet, candidate should write/fill-in the required particulars on the cover page of the Question Booklet with BLACK/ BLUE BALL-POINT PEN ONLY. Candidate will not open the Question Booklet, until asked to do so by the Invigilator. After opening the Question Booklet, read the instructions given on it carefully before attempting the questions.
- (ix) Candidate will write required particulars on OMR answer sheet as per the instructions given therein with BLACK/ BLUE BALL-POINT PEN on SIDE-I and II.
- (x) No candidate shall be allowed to leave the examination hall until the completion of examination and related formalities. Candidate will hand over Question Booklet and OMR Answer Sheet to the Invigilator before leaving the examination hall.
- (xi) After completing the examination and before handing over the Question Booklet and the OMR Answer Sheet, the candidate should once again check that all the particulars required in the Question Booklet and the OMR Answer Sheet has been correctly filled-in.
- (xii) The OMR Answer sheet shall be scanned and evaluated through computer and the **final category-wise merit list for counseling shall be prepared based on the reservation category information given by the candidate in OMR Answer sheet.** It must be ensured by the candidate that Roll Number, Major Subject Group and Reservation Category are correctly written in the OMR Answer Sheet and also the OMR Answer Sheet is duly signed by the invigilator and the candidate at appropriate places. Otherwise, it may not be considered for evaluation.
- (xiii) Before leaving the Examination Hall, the candidate must ensure that OMR Answer Sheet and Question Booklet have been handed over to the invigilator on duty. In case, the candidate does not hand over the OMR Answer Sheet with Question Booklet to the invigilator and takes away the same with him/her, this shall amount to use of unfair means and the candidate will be declared failed besides inviting further necessary action.
- (xiv) Candidates are advised to bring with them their own writing material such as hard card-board (on which nothing should be written), black/ blue ball-point pens of good quality.
- (xv) Any attempt of using unfair means by the candidate during the examination process will render him/her liable to be disqualified and his/her candidature for the examination would be forfeited.

8.3 Checking/Changing Question Booklet: Before attempting questions, the candidate must check Question Booklet for any defect in printing/number of pages, serial order of the questions etc. and ensure that Question Booklet given to him/her belongs to the Major Subject Group as opted by him/her and is serially numbered and contains pages as written on top of the first page. In case of any discrepancy/ defect, the candidate should immediately report to the Invigilator concerned and get the Question Booklet changed. Change of question booklet would not be permitted 30 minutes after the start of examination. The candidate shall not remove any page(s) from the Question Booklet and if any page(s) is/ are found missing from his/her Question Booklet, it will be treated as use of unfair means and shall render him/her liable for action/ cancellation of candidature.

8.4 Writing Answers on OMR Answer Sheet

- (i) Candidates are advised to go through the Specimen copy of OMR Answer sheet as at **Annexure–XI** very carefully and be conversant with the requirements of filling various particulars and marking the answers so that during the examination they could do so without any difficulty.
- (ii) OMR Answer Sheet used in the examination will be of special type amenable to scanning through Optical Scanner. There will be two sides of the OMR Answer Sheet, Side-I, containing particulars of candidate, instructions and Side-II, containing circles/bubbles.

Side - 1 (To be filled by black/ blue ball-point pen only)

Item No. 1–4: Write full name, father's name, roll number and code number of Examination City Centre in column 1 to 4 exactly as given in the admit card.

Item No. 5 & 6: Fill-in major subject group name (in full) and major subject code No.

Item No. 7: Put your signature in full, in the given box, which must match with the signature as recorded in the application form and the Admit Card.

Item No. 8: Must be signed by the invigilator.

Side-2 (Use black/ blue ball-point pen only)

Item No. 9: Fill-in the numeric major subject code, (01-20), as the case may be for your **Major Subject-group** and shade/darken the circle/bubble underneath it.

Item No. 10: Fill-in the Question Booklet serial number as indicated on the Question Booklet. You may ignore the leading zero, if any.

Item No. 11: Fill in your roll number, writing one digit in each box and also shade/darken the corresponding circle/bubble in the vertical column underneath.

Item No. 12: Shade/darken the circle/bubble for Reservation Category being claimed. **Note that after evaluation of Answer Sheet, the category-wise merit-rank list would be prepared on the basis of this information.**

SC	–	for Scheduled Caste	ST	–	for Scheduled Tribe
PC	–	for Physically Challenged	UPS	–	for Under Privileged States
OBC	–	for Other Backward Classes having Central OBC(NCL) certificate			
GEN	–	for General category			

NOTE:

- (a) In case column 9 is left blank or filled wrongly, the candidate would expose himself/herself to the risk of evaluation under wrong major subject-group for which candidate himself/herself would be responsible. ICAR would not entertain any correspondence in this regard.
- (b) In the event of leaving column 12 of OMR Answer sheet blank or filling wrongly, the candidate would be evaluated under General Category.

Item No. 13: Corresponding to every serial number of question booklet, numbering 001 to 150 for multiple-choice objective type questions, there is a corresponding answer-row on the Side-II of OMR Answer sheet, comprising of four circles/bubbles for recording correct answer to the question by shading/darkening the appropriate circle/bubbles and these circles/bubbles are marked with options A, B, C and D. Only one of these four options is the most appropriate and correct. The candidate is required to indicate his/ her answer to the question by darkening the appropriate circle/bubble completely with black/ blue ball- point pen. For example, the Question No.004 in the Question Booklet may read as follows:

Q. No. 004. The unit of velocity is:

- (A) ms-2 (B) ms⁻¹
(C) ms² (D) ms

If the correct answer to this question is (B) i.e. ms⁻¹, the candidate will locate question No. 004 in the answer sheet and darken the circle/ bubble marked (B) as shown below:

Q. No. 004 A B C D

For each of the 10 cross matching type questions, serially numbered as 151-160, there shall be five sub-questions/pairings marked as (i), (ii), (iii), (iv) and (v) with corresponding answer-row comprising of five circles/bubbles for recording correct answer to the sub-question/pairing by shading/darkening the appropriate circle/bubble and these circles/bubbles are marked with options A, B, C, D and E in an analogous manner as described above.

If the candidate does not want to attempt any question, he/she should not mark any of the circles/bubbles given against that question.

8.5 Changing an Answer: The candidate will answer on the OMR Answer sheet by darkening the appropriate circle/ bubble with black/ blue ball-point pen which should not be changed as the computer processing will automatically discredit marking of more than one answer to a question during evaluation. Candidate must also ensure that he/ she

does not leave any visible mark on answer sheet, otherwise the answer will be treated as wrong and will invite negative marking.

8.6 Wrong/Incorrect Way of Marking: If more than one circle/bubble is darkened or if the answer is marked in any manner other than the one as shown above, it shall be treated as wrong. A lightly/faintly darkened circle/ bubble or otherwise marked circle/bubble will also be read by the Optical Scanner during scanning and the answer whether right or wrong shall not be the responsibility of the Council and the onus will lie on the candidate on account of incorrect way of marking. **Any indicative marking or stray marks on the OMR answer sheet shall be treated as an act of unfair means and discredit the candidate during optical scanning. The candidate must also ensure that the OMR answer sheet is not folded/ wrinkled.**

8.7 Rough Work: The candidate will not do any rough work or writing work on the OMR answer sheet. Rough work, if any, must be done on the pages provided for the purpose in the Question Booklet.

9.0 METHOD OF SELECTION AND ADMISSION THROUGH COUNSELING

9.1 Method of Selection

- (i) The candidate declared/notified as qualified for counseling, based on the merit-rank, shall register for online counseling as per counseling instructions (also see **ANNEXURE-X**). Candidate shall forfeit the claim for admission if he/she, does not register for counseling with in specified date and time. Candidate who has not been declared/ notified as qualified for counseling, shall not be considered for admission on ICAR quota seats in any Agricultural University at any stage.
- (ii) Candidate will be recommended for admission in the sub-subject of choice under the major subject- group at the accredited Agricultural University on the basis of merit in the Entrance Examination and availability of seats at his/her rank at the time of counseling. ICAR-PG Scholarship will be awarded based on merit rank in the subject opted for admission, and availability of seat in the desired university.
- (iii) List of original documents with self-attested photocopies, photographs to be produced at the time of admission in the allotted university is as under:
 - (a) Proof of date of birth - High School/ Class X Certificate.
 - (b) All Certificates and Mark sheets, grade reports in original, related to Class X, Class XII onwards.
 - (c) Candidates reporting for the admission in the allotted university must have final year/ final semester result in hand clearly indicating final OGPA/CGPA or final percentage of marks where grade points are not awarded. Candidates will be required to produce Provisional/Degree certificate of qualifying graduate examination issued by the university for this purpose. The candidates who do not have the PDC/Degree certificate, have to mandatorily produce a certificate from the Registrar of the concerned university specifically indicating that ***the candidate has fulfilled all the requirements for the award of Bachelor degree. His/her Final OGPA/Percentage of marks at the end of final semester/year along with likely date of issuance of PDC/Degree must be mentioned.*** The candidates should note that the university may deny admission in case the PDC is not produced at the time of admission at the university. No correspondence shall be entertained by the Council in this regard.
 - (d) In case of candidates from SC, ST and non-creamy layer of OBC categories, original Certificates as per Central Govt. requirements and issued by Competent Authority.
 - (e) Medical certificate in case of Physically Challenged (PC) candidate issued by Medical Officer of any Government Hospital along with description of the kind of disability and the degree of disability. (f) Character Certificate from the Head of the institution last attended.
 - (g) e- Admit Card, hard copy of Online application Form and letter issued by the ICAR to qualified candidates related to admission.
 - (h) Three recent and clear passport size colour photographs with name and date same as uploaded on the online Application Form.
 - (i) Domicile certificate.
 - (j) Aadhaar card or 28 digit Aadhaar Enrolment ID copy or in case of candidates from J&K, Assam &

Meghalaya, a copy of passport /ration card /bank passbook or any other valid Govt. Identity card as applicable.

9.2 Admission through Counseling

- (i) There will be online counseling only. The candidates declared qualified for counseling for the consideration of admission to the Agricultural Universities would be generally larger than the number of seats available, provided they have achieved a minimum of 50% marks for General and UPS categories and a minimum of 40% marks for SC/ST/PC categories in the Entrance examination. For OBC, it will be as per Supreme Court directives in this regard. The competent authority (DDG, Agril. Edn.) may relax the minimum qualifying marks in case the required number of candidates to be called for counseling are not available.

The Tentative online counseling process involves:

1. For Online Counseling, qualified candidate will have to get registered by paying Rs.2000/- through online payment gate way of ICAR by using Credit/Debit card/Net banking.
2. Only the registered candidate will be able to log on to online counseling page. He /she will be able to access the website from any place of his / her convenience like cyber cafe / home / office etc.
3. If candidate does not remember his / her login ID and password then the login ID / password will be recoverable by input of some personal parameters.
4. Details of available seat matrix (with reservation category), eligibility requirements, process of Online counseling, helpline numbers, parameter based Online search system for previous year admission cut offs will be available on the home page of the portal. Some other parameters related to accredited universities like their geographical location, course fee, date of registration, hostel facility, etc., will be displayed to facilitate the candidates.
5. The candidates qualified in the entrance examination under different categories shall be permitted to make choice of Courses / University in stipulated time period.
6. Only those accredited programme shall be displayed whose qualifying criteria is fulfilled by the candidate. Similarly, list of only those Universities will be displayed where the accredited programme desired by the candidate is offered.
7. Candidate will be able to select the courses and university one by one in combination to select multiple choices for the courses. There will be provisions to add / modify / delete choices during the stipulated time period. Further, provision for interchange/ upward movement/ downward movement will also be available and permissible any number of times.
8. The procedure for exercising choices or seeking other information will be menu-driven and guide the candidates through appropriate messages on the computer screen.
9. After completion of choice selection, the candidate will save the choices. He/ she will be able to take a draft printout so that he/ she can discuss the choices filled-with his/her mentors and update the same, if desired.
10. Candidate can update his/ her choices any number of times before the last date/until the choices are locked by the candidate. If by the last date and time, the choices are not locked by the candidate, then the last saved choices will be automatically locked.
11. Multiple login will be provided to all the accredited AUs so that they can login through their login ID and password. The Universities should be able to see the number and details of candidates who have chosen a particular course as their first / second / third choice etc.
12. The locked choices shall be processed according to merit and available seats on a scheduled date for the allotment of seats. The candidates will be intimated through e-mail/SMS about the University and Course allotted. The list of allotted candidates will be updated in the relevant database.
13. The candidates then will download the provisional allotment letter in PDF format from the portal.
14. For admission, the successful candidates will report to the allotted University. The University will check online details of provisional admission offer (from ICAR) downloadable by the candidates for verification. After checking the original documents of the candidates, the university will issue the **final admission letter online** to the admitted candidates mentioning the award of NTS, as applicable. As a consequence of this, the university will update the database of the Admissions Given/ Admission Denied (with reason)/ Auto up-gradation requested by the candidate. If admission is given, then final admission letter will be generated. If admission is denied, then a regret letter will be generated and if auto-up gradation is requested, then an auto-up gradation letter will be generated. All such letters will be in pdf format and ready to print.
15. Subsequent round of online counseling will be conducted immediately after the reporting is complete. The Auto-up-gradation requests to be first tried to give them their better choice. Then the next round shall be

started.

16. Thereafter, the same process for second and third rounds (if the need arises) of counseling will be followed.
17. Candidate, not fulfilling the eligibility condition(s) at the time of admission in the allotted university, will forfeit claim for admission and will not be considered for seat allocation. Candidature in such cases shall be rejected summarily. No correspondence shall be entertained thereafter in this regard.
18. Against total number of ICAR seats available for a particular degree programme in a university, not more than 40% of ICAR seats from one State would be allocated to any one university in that subject under a particular category. While computing 40% number, mathematical method of rounding to the nearest integer would be adopted except where there is only one seat, in which case, the whole seat would be allocated. While rounding off, the number might exceed 40% to that extent.
19. It should be noted carefully that ICAR allocates the University, whereas the choice of the accredited College within the University allotted shall be regulated by the University itself. **The university will admit and place the candidates in accredited colleges and programmes only.** Candidate may not approach ICAR, thereafter, for any specific College within the allotted University.
20. In case a candidate has been admitted in a university and the subject, after the counseling, any request for change/transfer of subject/university thereafter, will not be entertained by ICAR. The candidate, once admitted in a degree programme as per his/her merit-rank and availability of seat at the time of counseling, will not stake claim for change of subject/University later on after his/her admission is over.
21. All admitted candidates will be required to submit original certificates and mark sheets to the Registrar of the allotted University, otherwise admission may not be granted. All original certificates submitted by the candidates may be sent to their respective Boards and Universities for verification. In case a candidate wishes to withdraw the original certificates after the admission, he/she shall directly request the allotted University for the same if the university rules permit so.
22. If any candidate fails to deposit the prescribed admission fee and original certificates as required by the university, the admission may not be granted and candidate would forfeit his/her claim for admission.
23. In case any degree from a particular college/university is not considered for admission by an Agricultural University or any particular college/university has been derecognized by VCI/UGC, ICAR will not be responsible for admitting students of that college/university in the Universities not willing to admit such candidates.

9.3 Filling of Vacant seats after the counseling

- (i) The **ICAR quota seats after the final round of online counseling** if remain vacant, shall automatically stand released to the Agricultural University concerned for filling up at their level and as per the procedure in vogue at the respective university. **These seats will no more be called as ICAR seats and treated as university seats.** Once the counseling/ admission process is over, filling up of any subsequent vacancies created due to any reasons, shall not be the responsibility of ICAR. No correspondence in this regard will be entertained either from the universities or from any candidate.
- (ii) The candidate allotted seat through online counseling in an Agricultural University through ICAR examination, shall have to report to the concerned Agricultural University within the given time period for admission in the concerned university. Before proceeding for the admission, candidates must enquire about the fee etc. and carry the same for admission.
- (iii) No correspondence from the candidates/ guardians/ parents will be entertained by the Council for seeking permission for late registration/ admission in the universities or issuing any direction in this regard.

10.0 INSTITUTIONAL INFORMATION ON ICAR DEEMED-TO-BE UNIVERSITIES (DUs)

Some information about number of seats, subjects taught in ICAR Institute based Deemed-to-be- Universities is being provided here. The detailed information about these Institutions may be obtained from the respective university website. The number of seats for admission indicated here is tentative and may be changed by the Universities as per their rules.

10.1 INDIAN AGRICULTURAL RESEARCH INSTITUTE, PUSA, NEW DELHI-110012

The Indian Agricultural Research Institute (IARI) is India's one of the foremost Institute in the field of research, higher education and training in agricultural sciences. The Institute has well equipped laboratories and experimental field for conducting advanced level research of high order. The Central Library of the Institute is the largest Agro-Biological Library of Asia and has been designated as the National Agricultural Library.

TABLE 10.1: SUBJECT-WISE TENTATIVE NUMBER OF SEATS FOR ADMISSION AT DU-IARI, NEW DELHI DURING 2017-18

Discipline	Tentative Allocation of Seats						
	General	SC	ST	PC+	UPS+	OBC	Total
IARI, New Delhi							
1. Agricultural Chemicals	2	1	-	-	-	1	4
2. Agricultural Economics	2	1	-	-	-	1	4
3. Agricultural Engineering- Agricultural Processing and Structure	1	1	-	-	-	0	2
4. Agricultural Engineering- Farm Power and Equipment	1	-	1	-	-	1	3
5. Agricultural Engineering- Soil and Water Conservation Engineering	2	-	-	-	-	1	3
6. Agricultural Extension	3	1	-	(1)	-	2	6
7. Agricultural Physics	2	1	-	-	-	1	4
8. Agricultural Statistics	3	-	1	(1)	-	3	7
9. Agronomy	3	1	-	-	(1)	1	5
10. Biochemistry	3	-	-	-	-	1	4
11. Computer Application	3	1	1	-	-	1	6
12. Entomology	3	1	-	-	-	1	5
13. Environmental Sciences	2	1	1	-	-	2	6
14. Genetics	3	1	1	(1)	-	1	6
15. Floriculture and Landscape Architecture	1	1	-	-	-	1	3
16. Fruit Science	2	1	-	-	-	1	4
17. Vegetable Science	3	-	1	-	-	1	5
18. Microbiology	3	1	-	-	-	1	5
19. Molecular Biology & Biotechnology	3	1	1	-	-	2	7
20. Nematology	3	-	-	-	-	1	4
21. Plant Genetics Resources	2	-	1	-	-	1	4
22. Plant Pathology	3	1	1	(1)	(1)	3	8
23. Plant Physiology	3	1	-	-	-	1	5
24. Post-Harvest Technology-PHT of Horticultural Crops	2	-	-	-	-	1	3
25. Post-Harvest Technology-Post Harvest Engineering and Technology	-	-	-	-	-	1	1
26. Seed Science & Technology	2	1	1	(1)	-	2	6
27. Soil Science & Agril. Chemistry	2	1	-	-	-	1	4
28. Water Science & Technology	2	1	-	-	-	1	4
29. Bioinformatics	3	1	-	-	(1)	1	5
Sub-Total	67	20	10	(5)	(3)	36	133
IARI-Assam							
a. Agronomy	1	-	-	-	-	1	2
b. Genetics	1	-	1	-	-	1	3
c. Soil Science and Agricultural Chemistry	1	1	-	-	-	-	2
d. Horticulture-Vegetable Science	1	-	-	-	-	1	2
e. Water Science and Technology	1	1	-	-	-	-	2
Sub-Total	5	2	1			3	11
Discipline	Tentative Allocation of Seats						
	General	SC	ST	PC+	UPS+	OBC	Total

IARI-Jharkhand							
a. Agronomy	1	-	-	-	-	1	2
b. Genetics	1	1	-	-	-	1	3
c. Soil Science and Agricultural	2	-	-	-	-	-	2
d. Horticulture-Vegetable Science	1	-	-	-	-	1	2
e. Water Science and Technology	1		1	-	-	-	2
Sub-Total	6	1	1			3	11
Grand Total	78	23	12	(5)	(3)	42	155

- + Seats for PC and UPS categories are to be allotted against the category (Gen./SC/ST/OBC) to which they belong, if the seat is not available in respective category then would be drawn from Gen. category, if available at the time of online counseling. However, if suitable candidates are not available for PC and UPS categories in a particular discipline, the **seat can be transferred to next discipline** to fill the number of reserved seats based on merit within the category.

Note:

- Number of seats shown are tentative and subject to change.
- Degree in the discipline of Agril. Engg. will be awarded as M. Tech. (Agril. Engg.)
- Degree in the sub-discipline of Post-Harvest Eng. & Tech. of PHT discipline will be awarded as M.Tech. to those students coming with B.Tech. Degree.

ADMISSION OF STUDENTS IN DIFFERENT STREAMS

- (a) General Open Stream : Based upon the Information given in this Bulletin
- (b) Departmental Seats at IARI : In this stream, **persons employed with IARI only, are eligible.** They have to fulfill all the requirements as for general open stream & admission will be granted by the Institute itself, and not through ICAR.

Institute Scholarship : The students who are not able to secure ICAR-PG Scholarship will be considered for providing financial assistance in the form of IARI fellowship @ Rs. 10,500/- per month (fixed) and a contingency grant of Rs. 6,000/- per year or as revised from time to time.

10.2 INDIAN VETERINARY RESEARCH INSTITUTE, IZATNAGAR - 243 122, UTTAR PRADESH

The Indian Veterinary Research Institute (IVRI) which made a humble beginning in 1889 at Pune, has come a long way through its glorious past and completed 127 years of dedicated service to livestock at global level. In recognition of long and sustained contributions in the field of research and education, the Institute was conferred the status of the Deemed University in 1983 (under the UGC Act, 1956) and the first academic session commenced in January 1985. The Institute has well equipped laboratories, animal sheds and other infrastructural facilities for carrying out post-graduate research of high quality. The Institute Library, National Library of Veterinary Science (NLVS), subscribes to a large number of books and foreign journals/periodicals which serve requirement for research and training organizations.

Table 10.2: SUBJECT-WISE TENTATIVE NUMBER OF SEATS AT DU- IVRI FOR ADMISSION DURING 2017-18

S.No.	Discipline	Gen	SC	ST	PC+	UPS+	OBC	Total
1.	Animal Genetics and Breeding	3	1				2	6
2.	Animal Nutrition	3	1	1	(1)		2	7
3.	Veterinary Physiology	2	1				1	4
4.	Animal Biochemistry	2	1				1	4
5.	Bio-Statistics*	2						2
6.	Animal Bio-technology	2	1				1	4
7.	Veterinary Extension Education	2					1	3

8.	Livestock Product Technology	3						3
9.	Poultry Science	2	1				1	4
10.	Veterinary Gynecology & Obstetrics	3	1				1	5
11.	Veterinary Microbiology	8	2	1	(1)	(1)	4	15
12.	Veterinary Medicine	2	1	1			2	6
13.	Veterinary Parasitology	2	1	1			2	6
14.	Veterinary Pathology	2	1	1			2	6
15.	Veterinary Pharmacology	2					1	3
16.	Veterinary Public Health & Epidemiology	3	1	1	(1)		2	7
17.	Veterinary Surgery & Radiology	2	1	1		(1)	2	6
18.	Livestock Production & Management	2	1				1	4
19.	Livestock Economics	3						3
	Total	50	15	7	(3)	(2)	26	98

The minimum eligibility for admission in all the 19 disciplines is B.V.Sc. & A.H./B.V.Sc.

+ 3 seats for PC and 2 seats for UPS will be allocated horizontally during online counseling against the category (Gen./SC/ST/OBC) to which they belong, if the seat is not available in respective category then it would be drawn from Gen. Category, if available.

Note:

The number of seats shown above are tentative. The exact number of seats will be known at the time of online counseling.

ADMISSION OF STUDENTS IN DIFFERENT STREAMS

- (a) General Open Stream : Based on the information given in this bulletin
- (b) Departmental candidates : They have to fulfill all the requirements as applicable for General open from IVRI stream. Admission will be granted by the Institute itself.

Selection of Candidates: Selection will be on the basis of merit in the ICAR's All India Entrance Examination for Admission and allotment of seats during online counseling.

The admission of in-service candidates (having permanent employment under Central/State Govt. or Universities with three years experience in the relevant field as on the closing day for receipt of application) to Master's Degree Programmes will be made through AIEEA-PG only. These admissions will be made over and above the number of seats published in IB. Only one seat will be offered in each of the 19 disciplines of the Institute.

Institute Scholarship: The students who are not able to secure ICAR-PG Scholarship will be considered for providing financial assistance in the form of IARI fellowship @ Rs.7,560/- per month (fixed) and a contingency grant of Rs. 6,000/- per year or as revised from time to time.

10.3 NATIONAL DAIRY RESEARCH INSTITUTE, KARNAL, HARYANA-132 001

The National Dairy Research Institute is the premier institute and DU that provides R&D support to Dairy Development programmes of the nation. Over the years, it has gained prominence as a front ranking education and research institute on global basis. The institute has well developed laboratories, farm cattle yard, Experimental Dairy and a Model Dairy plant to conduct high level research and impart higher education and training in the field of dairying.

Table 10.3: Subject-wise Tentative Number of Seats for P.G. Admission at DU- NDRI Karnal, during 2017-18

S. No.	Discipline	Seats for 2017-18 session						Total
		Gen	SC	ST	PC*	UPS*	OBC	
1.	Dairy Microbiology	4	1	1	-	-	2	8
2.	Dairy Chemistry	4	1	1	-	-	2	8
3.	Dairy Technology	7	2	1	(1)	(1)	4	14
4.	Food Science & Nutrition	2	1	-	-	-	1	4

5.	Dairy Engineering	4	1	1	-	-	2	8
6.	Animal Biochemistry	4	2	1	(1)	(1)	3	10
7.	Animal Genetics & Breeding	6	2	1	-	-	3	12
8.	Livestock Production & Management	6	2	1	(1)	-	4	13
9.	Animal Nutrition	6	2	1	-	-	3	12
10.	Animal Physiology	4	1	1	-	-	2	8
11.	Dairy Economics	4	1	-	-	-	2	7
12.	Dairy Extension Education	6	1	1	-	-	3	11
13.	Animal Biotechnology	6	2	1	(1)	(1)	4	13
14.	Agronomy	3		-	-	-	1	4
15.	Vety. Gynaecology and Obstetrics	3	1	-	-	-	1	5
16.	Food Safety & Quality Assurance	2	1	-	-	-	1	4
	Grand Total	71	21	11	4	3	38	141

Seats for PC & UPS will be allotted horizontally against the category (Gen/SC/ST/OBC) to which they belong, if the seat is not available in respective category then would be drawn from Gen. Category, if available.

- Note:**
- Non-Dairy Stream candidates would have to devote one more year for completing remedial courses in Dairying. Exact number of seats will be known at the time of online counseling.
 - The candidates possessing Honors qualification will have to take remedial courses.
 - For **students from Jammu & Kashmir**, two seats over and above the above total seats under Supernumerary quota are reserved as per directives received from UGC vide letter No.F.1-1/2-12(SA-III) dated 15th Sept., 2014 and as a part of the Special Scholarship Scheme. The candidates will have to appear and qualify in the written examination. The admission will be decided on merit by the Institute.
 - In-service candidates**-one seat in each discipline over and above the above seats (Vacant seat in one discipline may be transferred to other disciplines, without changing the total no. of seats for in-service candidates). The admission will be decided on merit by the Institute.
 - The in-service candidates in permanent employment under Central/State Govt. or Universities with at least two years' service as on 31.7.2017 must be fully sponsored by his/her employer. The in-service candidates must possess the eligible qualification and will have to appear and qualify in the written examination (AIEEA-PG) along with other candidates.

Institute Scholarship: The students who are not able to secure ICAR-PG Scholarship will be considered for providing financial assistance in the form of IARI fellowship @ Rs. 7,560/- per month (fixed) and a contingency grant of Rs. 6,000/- per year or as revised from time to time.

10.4 CENTRAL INSTITUTE OF FISHERIES EDUCATION, MUMBAI-400061, MAHARASHTRA

The Central Institute of Fisheries Education (CIFE) came into existence as a Government of India set-up at Mumbai on 6th June 1961 with the assistance from FAO/UNDP. The Institute came under the administrative control of ICAR, New Delhi on 1st April 1979. In due recognition of its pioneering role in manpower development for fisheries sector, the Ministry of HRD and UGC accorded Deemed University status to CIFE on 29th March 1989. Thus CIFE has the distinction of being the First Fisheries University in India and in this part of the world.

Table 10.4: Subject-wise Tentative Number of Seats for P.G. Admission at DU-CIFE, Mumbai during 2017-18

S. No.	Discipline	Allocation of Seats						Total
		Gen	SC	ST	PC+	UPS+	OBC	
1.	M.F.Sc. (Fisheries Resources Management)	3	1	1	-	(1)	3	8
2.	M.F.Sc. (Aquaculture)	6	2	1	(1)	-	3	12
3.	M.F.Sc. (Fisheries Extension)	4	1	-	-	-	1	6
4.	M.F.Sc. (Aquatic Environmental Management)	3	1	1	-	-	1	6
5.	M.F.Sc. (Post Harvest Technology)	3	1	1	-	(1)	2	7
6.	M.F.Sc. (Fish Genetics and Breeding)	3	1	-	-	-	2	6
7.	M.F.Sc. (Fish Physiology and Biochemistry)	3	1	-	-	-	2	6
8.	M.F.Sc. (Fish Nutrition and Feed Tech.)	4	1	-	-	-	1	6

9.	M.F.Sc. (Aquatic Animal Health Management)	4	1	-	(1)	-	3	8
10.	M.F.Sc. (Fish Biotechnology)	2	1	1	-	-	2	6
11.	M.F.Sc. (Fisheries Economics)	3	1	1	-	-	1	6
	Total	38	12	6	(2)	(2)	21	77

+Seats for PC and UPS will be allotted horizontally against the category (Gen/SC/ST/OBC) to which they belong, if the seat is not available in respective category then would be drawn from Gen. Category, if available.

Note:

- In addition, five seats are earmarked for in-service candidates in M.F.Sc., the admission shall be granted at the Institute level.
- CIFE does not admit students with 3 years degree in Fisheries Science/Basic Sciences.
- The number of seats is tentative. Exact number of seats will be known at the time of counseling.

Institute Scholarship: The students who are not able to secure ICAR-PG Scholarship will be considered for providing financial assistance in the form of IARI fellowship @ Rs.7,560/- per month (fixed) and a contingency grant of Rs.6,000/- per year or as revised from time to time.

SYLLABI FOR ICAR'S ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION TO MASTER DEGREE PROGRAMMES AND ICAR-PG SCHOLARSHIP/NTS (PGS)

Code 01: MAJOR SUBJECT GROUP - PLANT BIOTECHNOLOGY

(**Sub-Subjects:** 1.1: Plant Biochemistry/ Bio. Chem. 1.2: Plant Biotechnology & Molecular Biology/Biotechnology, 1.3: Plant /Crop Physiology)

- UNIT-I:** Importance of agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato, and mango. Major soils of India; role of NPK and their deficiency symptoms. General structure and function of cell organelles; mitosis and meiosis; Mendelian genetics. Elementary knowledge of growth, development, photosynthesis, respiration and transpiration; Elements of economic botany. General structure and function of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management. Organic farming; bio-fertilizers; bio-pesticides. Recombinant DNA technology; transgenic crops. Important rural development programmes in India; organizational set up of agricultural research, education and extension in India. Elements of statistics.
- UNIT-II:** Importance of biochemistry in agriculture. Acid-base concept and buffers; pH. Classification, structure and metabolic functions of carbohydrates, lipids and proteins. Structure and function of nucleic acids. Enzymes: structure, nomenclature, mechanism of action; vitamins and minerals as coenzymes and cofactors. Metabolic pathways: glycolysis, TCA cycle, fatty acid oxidation, triglyceride biosynthesis. Electron transport chain; ATP formation. Photosynthesis: C-3, C-4 and CAM pathways. Nitrate assimilation; biological nitrogen fixation. Colorimetric and chromatographic techniques
- UNIT-III:** Characteristics of prokaryotic and eukaryotic organisms; differences between fungi, bacteria, mycoplasmas and viruses. Physical and chemical basis of heredity; chromosome structure. DNA replication, transcription and translation; genetic code; operon concept. Genetic engineering; restriction enzymes; vectors; gene cloning; gene transfer. Plant cell and tissue culture; micro-propagation; somaclonal variation. Transformation; recombination; Heterosis. General application of biotechnology. Molecular and immunological techniques. Concept of bioinformatics, genomics and proteomics.
- UNIT-IV: Plant Physiology/ Crop Physiology:** Plant physiology– importance in agriculture. Seed germination, viability and vigour. Photosynthesis- significance of C-3, C-4 and CAM pathway; photorespiration and its implications. Translocation of assimilates; dry matter partitioning; Harvest index of crops. Growth and development; growth analysis; crop-water relationship. Plant nutrients and their functions. Phytohormones and their physiological role. Photo-periodism, vernalisation; pollination/ fertilization in flowering plants. Post-harvest physiology and its significance.

Code 02: MAJOR SUBJECT GROUP - PLANT SCIENCES

(**Sub-Subjects:** 2.1: Plant Breeding & Genetics, 2.2: Plant Pathology, 2.3: Agricultural Microbiology/Microbiology, 2.4: Seed Science & Technology, 2.5: Plant Genetic Resources)

- UNIT-I:** Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato, potato and mango. Major soils of India, role of NPK and their deficiency symptoms.
- UNIT-II:** Structure and function of cell organelles; mitosis and meiosis; Mendelian genetics; elementary knowledge of photosynthesis; respiration, and transpiration; structure and functions of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management.
- UNIT-III:** Characteristics of prokaryotic and eukaryotic organisms, differences between fungi, bacteria, mycoplasmas and viruses; physical and chemical basis of heredity; chromosome structure; genes/operon concept; protein biosynthesis; transformation, recombination, Heterosis; Elements of economic botany; integrated diseases management; sterilisation, disinfection and pasteurization; Koch's postulates; etiological agents of rusts,

smuts, powdery/downy mildews, wilts, yellows, mosaic, necrosis, enations, blights and witches- broom; pH, buffer, vitamins, role of plant hormones in seed germination and dormancy; pollination/ fertilization in flowering plants; methods of seed testing; breeders, foundation and certified seeds; seed production in self and cross pollinated crops, nitrate assimilation; biological nitrogen fixation and other uses of microorganisms in agriculture.

UNIT-IV: Food and industry; composting and biogas production. Important rural development programmes in India; organizational set up of agricultural research, education and extension in India.

Code 03: MAJOR SUBJECT GROUP - PHYSICAL SCIENCE

(**Sub-Subjects: 3.1:** Agricultural / Agro. Meteorology 3.2 : Soil Science & Agricultural Chemistry/ Soil Conservation and Water Management/ SWC/ Irrigation and Water Management, **3.3:** Agricultural Physics, **3.4:** Agricultural Chemicals, **3.5:** Environmental Science.)

UNIT-I: Importance of Agriculture in national perspective; basic principles of crop production, diversification, diversification of Agriculture, principle of nutrient and water management, package of practices for rice, wheat sorghum, maize, chickpea, pigeon pea, potato, sugarcane, groundnut, major vegetable crops. Role of essential plant nutrients, their deficiency symptoms and management options. Structure and function of plant cells, cell division, Basic concept of plant physiology relating to crop production- Biochemical compounds viz, carbohydrates, proteins, enzymes, fats, liquid vitamins and their function, developmental programmes relating to rural upliftment and livelihood security; organisational set up of agricultural education research and extension and future strategies for up gradation.

UNIT-II: Volumetric and gravimetric analysis including complexometric methods, periodic classification of element, Basic principle of instrumental analysis including spectro-photometry (Absorption and emission spectrography), Atomic structure –elementary concept of radioactivity, element and compound common ion effect, solubility product— hydrolysis of salts, buffer solution indicates equivalent weights and standard solution.

Elementary concepts of organic compounds- nomenclature and classifications including hydrocarbons, alcohol, aldehydes, acids and esters, carbohydrates, fats and liquids, amino acids, nucleic acids. Pesticides, their classification and uses; biopesticides and botanical pesticides.

UNIT-III: Soil as a medium for plant growth, composition of earth's crust, weathering of rocks and minerals, components of soil- their importance, soil profile, soil partials- physical mineralogical and chemical nature. Mechanical analysis, Stokes law, assumptions, limitations and applications. Soil, physical properties- density, porosity, texture, soil structure and their brief descriptions. Rheological properties in soils, calculations of porosity and bulk density. Soil air-Aeration, causes of poor aeration, factors affecting aeration, importance for plant growth. Soil temperature - sources and losses of soil heat. Factors affecting soil temperature, its importance in plant growth. Soil water- structure of water, soil-water-energy relationship, classifications, surface tension and movement in soil. Soil colloids- properties, structure of silicate clay minerals, sources of negative charges, properties, kaolinite, illite, montmorillonite and vermiculite clay minerals, milli-equivalent concept, cation exchange capacity, anion exchange capacity, buffering of soils. Problem soils- acid, saline, sodic and acid sulphate soils – their characteristics, formation, problems and management. Irrigation, water quality and its evaluation. Waterlogged soils- basic features, distinction with upland soils.

UNIT-IV: Essential plant nutrients- criteria of essentiality, functions for plant growth, mechanisms for movement and uptake of ions in soils and plants, Forms of nutrients in soils, deficiency symptoms on plants, luxury consumption, nutrient interactions and chelated micronutrients. Soil fertility, evaluation and management for plant growth, soil testing and fertilizer recommendations. Soil classifications- diagnostic surface and sub-surface horizons, soil survey- types, objectives, uses, land capability classifications. Remote sensing and its application in agriculture, SIS, GIS and GPS- basic features and uses in agriculture, Elementary concepts of radio isotopes and uses in agriculture. Soil micro-organisms, Classifications and their roles. Organic matter-decomposition, C:N ratios, mineralization and immobilization processes, humus, role of organic matter in soil quality. Soil erosion, types and control measures. Fertilizers and manures- classifications, NPK fertilizers, their reactions in soils, green manuring, recycling of organic wastes, composting. Soil and water pollution- sources, brief idea about different pollutants in soils and their managements.

Code 04: MAJOR SUBJECT GROUP - ENTOMOLOGY AND NEMATOTOLOGY

(Sub-Subjects: 4.1: Agricultural/ Horticultural Entomology, **4.2:** Nematology, **4.3:** Apiculture, **4.4:** Sericulture, **4.5:** Plant Protection.)

- UNIT-I:** Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato, cole crops, mango, grapes, banana, oilseeds other than groundnut, soybean and mustard. Major soils of India, role of NPK and their deficiency symptoms. Mendelian genetics; elementary knowledge of photosynthesis; respiration, and transpiration; Major cropping systems (rice-wheat cropping, crop rotations, mixed cropping); soil degradation-soil salinity and acidity and management; some aspects of post-harvest technology; varietal improvement; importance of Heterosis in crop production; crop protection principles in field and storage. Major insect pests and diseases of agricultural crops like rice, cotton, pulses, oilseed crops like groundnut, soybean and mustard, vegetables like tomato, cole crops; fruit crops like mango and banana and their management principles. Transgenic crops. Important rural development programmes in India; organizational set up of agricultural research, education and extension in India; Elements of statistics.
- UNIT-II:** Classification of animal kingdom up to class; distinguishing characters up to orders in class Insecta; general organization of an insect external morphology with special reference to lepidopteran larvae, coleopteran adults; and honeybee; metamorphosis and moulting; different physiological systems; insect- plant relationship; insect pests of agricultural and horticultural crops, and their stored/processed products, insect vectors of plant diseases- identification, biology, nature of damage, and their management tactics; and pests of household, medical and veterinary importance and their control; useful and beneficial insects like honeybee, lac insect, silkworm and pollinators; Nematode taxonomy, biology of important plant parasitic nematodes and their control; entomopathogenic nematodes, basic principles of insect and nematode pest management-cultural, biological, insecticidal, quarantine, and regulatory aspects; insecticide classification and insecticide resistance management; and insect protective transgenic crops.

Code 05: MAJOR SUBJECT GROUP - AGRONOMY

(Sub-Subjects: 5.1: Agronomy **5.2:** Tea Husbandry & Technology)

- UNIT-I:** General: Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, rapeseed and mustard, potato. Major soils of India, role of NPK and their deficiency symptoms. Structure and function of cell organelles; mitosis and meiosis; Mendelian genetics: elementary knowledge of photosynthesis; respiration, photorespiration and transpiration; structure and functions of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management. Important rural development programmes in India; organisational set up of agricultural research, education and extension in India; Elements of statistics.
- UNIT-II:** Principles of Agronomy, Crop ecology and geography and Agricultural Meteorology: Agronomy –meaning and scope, National & International agricultural research institutes in India, Agro climatic zones of India, Tillage, crop stand establishment and planting geometry and their effect on crop, Physiological limits of crop yield and variability in relation to ecological optima, organic farming, Precision farming, Integrated farming systems, Principles of field experimentation. Principles of crop ecology and crop adaptation, climate shift and its ecological implications, Agro-ecological regions in India, Geographical distribution of crop plants, Greenhouse effect, Climatic factors and their effect on plant processes and crop productivity, Role of GIS and GPS in agriculture. Weather & climate, Earth's atmosphere, Solar radiation, Atmospheric temperature and global warming. Crops and atmospheric humidity, Weather forecasting.
- UNIT-III:** Field crops: Origin, distribution, economic importance, soil and climatic requirement, varieties, cultural practices and yield of cereals (rice, wheat, maize, sorghum, pearl millet, minor millets, barley), pulses (chickpea, lentil, peas, Pigeon pea, mungbean, urdbean), oilseeds (groundnut, sesame, soybean, rapeseed & mustard, sunflower, safflower, linseed), fiber crops (cotton, jute, sun hemp), sugar crops(sugarcane), fodder & forage crops (sorghum, maize, napier, berseem, Lucerne, oats), medicinal & aromatic plants (menthe, lemon grass and isabgol) and commercial crops(potato, tobacco).
- UNIT-IV:** Weed management: Principles of weed management, Classification, biology and ecology of weeds, crop weed competition and allelopathy, concepts and methods of weed control, Integrated weed management,

Classification, formulations, selectivity and resistance of herbicides, Herbicide persistence in soil and plants, Application methods and equipments, Weed flora shifts in cropping systems, Special and problematic weeds and their management in cropped and non-cropped situations, Weed management in field crops.

UNIT-V: Water management: Principles of irrigation, Water resources and irrigation development in India, Water and irrigation requirements, Concepts and approaches of irrigation scheduling, Methods of irrigation, Measurement of irrigation water, application, distribution and use efficiencies, Conjunctive use of water, Irrigation water quality and its management, water management in major field, crops (rice, wheat, maize, groundnut, sugarcane) Agricultural drainage.

UNIT-VI: Soil fertility and fertilizer use: Essential plant nutrients and their deficiency symptoms, concept of essentiality of plant nutrients, Indicators of soil fertility and productivity, Fertilizer materials and their availability to plants, slow release fertilizers, Nitrification inhibitors, Principles and methods of fertilizer application, Integrated nutrient management, site specific nutrient management.

UNIT-VII: Dryland Agronomy: Characteristics of Dryland farming and delineation of Dryland tracts, constraints of Dryland farming in India, Types of drought and their management, contingency crop planning and mid- season corrections for aberrant weather and its recycling. Watershed management.

UNIT-VIII: Problem soils : Problem soils and their distribution in India, Characteristics and reclamation of these soils, Crop production techniques in problem soils.

UNIT-IX: Sustainable land use systems: Sustainable agriculture: parameters and indicators, Conservation agriculture, safe disposal of agri-industrial waste for crop production, Agro-forestry systems, shifting cultivation, Alternate land use systems, Wastelands and their remediation for crop production.

Code 06: MAJOR SUBJECT GROUP - SOCIAL SCIENCES

(Sub-Subjects: 6.1: Agricultural Economics, 6.2: Dairy Economics 6.3: Agriculture Extension/Extension Education/ Communication 6.4: Dairy Extension Education)

UNIT-I: Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato and mango. Major soils of India, role of NPK and their deficiency symptoms. Structure and function of cell organelles, mitosis and meiosis; Mendelian genetics; elementary knowledge of photosynthesis; respiration, and transpiration; structure and functions of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management. Important rural development programmes in India; organisational set up of agricultural research, education and extension in India; Elements of statistics. Measures of central tendency and dispersion, regression and correlation; concept of probability, sampling techniques and tests of significance.

UNIT-II: Theory of consumer behaviour, theory of demand, elasticity of demand, indifference curve analysis, theory of firm, cost curves, theory of supply, price determination, market classification, concept of macroeconomics, money and banking, national income. Agricultural marketing—role, practice, institutions, problems and reforms, role of capital and credit in agriculture, crop insurance, credit institutions, cooperatives, capital formation in agriculture, agrarian reforms, globalization, WTO & its impact on Indian agriculture.

UNIT-III: Basic principles of farm management, concept of farming system and economics of farming systems, agricultural production economics-scope and analysis, factor-product relationship, marginal cost and marginal revenue, farm planning and budgeting, Agricultural finance: nature and scope. Time value of money, Compounding and discounting. Agricultural credit: meaning, definition, need, classification. Credit analysis: 4R's, 5C's and 7 P's of credit, repayment plans. History of financing agriculture in India. Commercial banks, nationalization of commercial banks. Lead bank scheme, regional rural banks, scale of finance. Higher financing agencies, RBI, NABARD, AFC, Asian Development Bank, World Bank, role of capital and credit in agriculture; credit institutions, co-operatives and agrarian reforms in India.

UNIT-IV: Extension Education- concept, meaning, principles, philosophy, scope and importance; Extension programme planning and evaluation- steps and principles, models of organizing agricultural extension; historical development of extension in USA, Japan and India. Rural development, meaning, importance and problems; Rural development

programmes in India- Pre-independence era to recent ones; Extension teaching methods, definition and concept of sociology, differences between rural & urban communities, social stratification., social groups, social organization and social change. Rural leadership, educational psychology- learning and teaching, role of personality in agricultural extension Indian rural system- its characteristics; value system, cost and class; structure and customs; rural group organization and adult education.

UNIT-V: Communication, principles, concepts, process, elements and barriers in teaching methods. Different kinds of communication methods and media and AV aids/materials. Media mix, Campaign, Cyber extension- internet, cybercafé, Kisan Call Centers, teleconferencing, agriculture journalism, diffusion and adoption of innovations-adopter categories, capacity building of extension personnel and farmers- training to farmers, women and rural youth.

Code 07: MAJOR SUBJECT GROUP - STATISTICAL SCIENCES

(Sub-Subjects: 7.1: Agricultural Statistics, 7.2: Computer Application, 7.3: Bioinformatics)

UNIT-I: Agriculture: Importance of Agriculture/Forestry/Livestock in national economy. Basic principles of crop production. Major diseases and pests of crops. Elementary principles of economics and agri-extension. Important rural development programmes in India. Organizational set up of Agricultural research, education and extension in India.

UNIT-II: Mathematics: Real and complex numbers; polynomial and roots; de Moivre's theorem and its applications.

Elements of set theory- De Morgan's laws; vector space, linear independence, orthogonality; matrices- addition and multiplication, rank of a matrix, determinants, inverse of a matrix, solution of a system of linear equations, characteristic roots and vectors; convergence of infinite sequences and infinite series- tests for convergence, absolute convergence; co-ordinate geometry in two dimensions - line, circle, parabola, ellipse and hyperbola.

Differential calculus: limits, differentiation of function of a single variable; Taylor's and Maclaurin's theorems, mean-value theorem; maxima and minima; indeterminate form; curvature, asymptotes, tracing of curves, function of two or more independent variables, partial differentiation, homogeneous functions and Euler's theorem, composite functions, total derivatives, derivative of an implicit function, change of variables, Jacobians. Integral calculus: integration by simple methods, standard forms, simple definite integrals, double integrals, change of order of integration, Gamma and Beta functions, application of double integrals to find area. Ordinary differential equations: differential equations of first order, Exact and Bernoulli's differential equations, equations reducible to exact form by integrating factors, equations of first order and higher degree, Clairaut's equation, methods of finding complementary functions and particular integrals.

Calculus of finite differences, interpolation; numerical differentiation and integration, difference equations; solution of simple non-linear equations by numerical methods like Newton- Raphson method.

UNIT-III: Introduction: Statistics – definition, use and limitations; Frequency Distribution and Curves; Measures of Central Tendency: Arithmetic mean; Geometric mean, Harmonic mean, Median, Mode; Measures of Dispersion: Range, Mean deviation, Quartile deviation, Variance and Coefficient of Variation; Probability: Definition and concepts, law of addition and multiplication, conditional probability, Bayes' theorem; Binomial, multinomial, Poisson and normal distribution; Introduction to Sampling: Random Sampling; Standard Error; Tests of Significance - Types of Errors, Null Hypothesis, Level of Significance, Testing of hypothesis; Large Sample Test- SND test for Means, Single Sample and Two Samples; Student's t-test for Single Sample, Two Samples and Paired t test. F test; Chi-Square Test for goodness of fit and independence of attributes; Correlation and Regression and associated tests of significance. Experimental Designs: basic principles, Analysis of variance, Completely Randomized Design (CRD), Randomized Block Design (RBD).

UNIT-IV: Computers: input, output devices, memory, hardware, software; Classification, booting computer. Viruses, worms and antivirus. Operating System- some DOS commands, FORMAT, DIR, COPY, PATH, MD, CD and DELTREE. Types of files. WINDOWS: Desktop and its elements, WINDOWS Explorer, working with files and folders; setting time and date. Anatomy of WINDOWS. Applications – MSWORD: Word processing features- Creating, Editing, Formatting and Saving; MSEXCEL: Electronic spreadsheets, concept, packages. Creating, editing and saving a spreadsheet. In-built statistical and other functions. Excel data analysis tools, Correlation and regression, t-test for two-samples and ANOVA with one-way classification. Creating graphs. MS Power

Point and its features. MSACCESS: Concept of Database, creating database; Computer programming: Flow charts and Algorithms, Programming languages- BASIC, FORTRAN and C. Internet: World Wide Web (WWW), Concepts, web browsing and electronic mail. Bioinformatics - NCBI Genebank sequence database- primary and secondary database.

Code 08: MAJOR SUBJECT GROUP - HORTICULTURE

(Sub-Subjects: 8.1: Horticulture, **8.2:** Vegetable Crops or Sci. / Olericulture, **8.3:** Pomology/ Fruit Sci., Fruit Sci. and Horticulture Technology **8.4:** Post-Harvest Technology of Horticultural Crops **8.5:** Floriculture & Landscaping Architecture **8.6:** Plantation Spices, Medicinal and Aromatic Crops)

UNIT-I: Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato and mango. Major soils of India, role of NPK and their deficiency symptoms. Structure and function of cell organelles; mitosis and meiosis; Mendelian genetics; elementary knowledge of photosynthesis; respiration, and transpiration; structure and functions of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management. Important rural development programmes in India; organizational set up of agricultural research, education and extension in India; Elements of statistics.

UNIT-II: Layout and establishment of orchards; pruning and training; propagation, climatic requirement and cultivation of fruits like mango, banana, citrus, guava, grape, pineapple, papaya, apple, pear, peach and plum; cultivation of plantation crops like coconut and cashew nut and spices like black pepper, coriander, turmeric, important physiological disorders; major vegetable crops of tropical, subtropical and temperate regions 'like cole crops (cauliflower, cabbage and knol khol), cucurbits (pumpkin, bottlegourd, bittergourd, luffa, muskmelon and watermelon, cucumber), root crops (radish, tapioca sweet potato and potato), leafy vegetables (fenugreek and spinach); solanaceous crops (tomato, chillies and brinjal); techniques for raising the nursery; nutritive value of fruits and vegetables and their role in human nutrition; basic physiology of ripening in fruits and vegetables and their products; type of fruits and vegetable products and control of fungal and bacterial diseases; major floricultural crops grown in India for commercial purposes like rose, carnation, chrysanthemum, marigold, tuberose, gladiolus, orchids; establishment and maintenance of lawns, trees, shrubs, creepers, hedges and annuals; type of gardens, methods of crop improvement; male sterility and incompatibility; pure line and pedigree selection; backcross, mass selection; heterosis; plant nutrients, deficiency symptoms of nutrients, manures and fertilisers, systems of irrigation, management of important pests and diseases of fruits and vegetables.

Code 09: MAJOR SUBJECT GROUP - FORESTRY/AGROFORESTRY & SILVICULTURE

(Sub-Subjects: 9.1: Forest Production & Utilization **9.2:** Silviculture & Agroforestry **9.3:** Tree Physiology and Breeding **9.4:** Agroforestry, **9.5:** Forest NRM/Forest Mgmt. & Utilization **9.6:** Plantation Technology **9.7** Wild Life Sc. (Forestry) **9.8** Wood Science)

UNIT-I: Importance of Agriculture/Forestry/Livestock in national economy. Basic principles of crop production. Important rural development programmes in India Elementary principles of economics and agri-extension. Organizational set up of Agricultural Research, education and extension in India. Major diseases and pests of crops. Elements of statistics.

UNIT-II: Forest- importance, types, classification, ecosystem, biotic and abiotic components, ecological succession and climax, nursery and planting technique, social forestry, farm forestry, urban forestry, community forestry, forest management, silvicultural practices, forest mensuration, natural regeneration, man-made plantations, shifting cultivation, taungya, dendrology, hardwoods, softwoods, pulp woods, fuel woods, multipurpose tree species, wasteland management. Agroforestry – importance and land use systems, forest soils, classification and conservation, watershed management, forest genetics and biotechnology and tree improvement, tree seed technology, rangelands, wildlife – importance, abuse, depletion, management, major and minor forest products including medicinal and aromatic plants, forest inventory, aerial photo interpretation and remote sensing, forest depletion and degradation – importance and impact on environment, global warming, role of forests and trees in climate mitigation, tree diseases, wood decay and discolouration, tree pests, integrated pest and disease management, biological and chemical wood preservation, forest conservation, Indian forest policies, Indian forest act, forest engineering, forest economics, joint forest management and tribology.

Code 10: MAJOR SUBJECT GROUP - AGRICULTURAL ENGINEERING AND TECHNOLOGY

(**Sub-Subjects: 10.1:** Soil & Water Conservation Engg./Soil & Water Engg., **10.2:** Irrigation Drainage Engg./Irrigation Water Mgmt.Engg.**10.3:**Post Harvest Technology/ Processing and Food Engg. **10.4:** Farm Machinery and Power Engg.**10.5:** Renewable Energy Engg.)

- UNIT-I :** Elementary Statistics and theory of probability, differential and integral calculus, linear algebra and Fourier series, differential equations, vector algebra & vector calculus, elementary numerical analysis.
- UNIT-II:** Electric motors: Types, performance, selection, installation and maintenance, measuring instruments, fundamentals of computers, power distribution.
- UNIT-III:** Thermodynamic principles; fluid mechanics, theory of machines.
- UNIT-IV:** Soil mechanics, soil classification, compaction & shear strength of soils, engineering mechanics, strength of materials.
- UNIT-V:** Importance of farm equipment and role of mechanization in enhancing productivity & profitability of Indian agriculture; analysis of forces, design and production of farm machinery and power units; mechanics of tillage & traction operation, repair and maintenance of farm machines and equipment, farm engines; tractors and power tillers; tractor stability and operators comfort; field capacity and cost analysis; test codes and procedure; safety and ergonomic principles. Role of energy in economic development; solar, wind and bio-energy; biogas plants & gasifiers; biofuels from biomass; collection, characterization and storage of biomass, solar cookers & solar refrigerators.
- UNIT-VI:** Biochemical and engineering properties of biological materials; quality control & safety of raw and finished products. Principles, practices and equipments for drying, milling, separation and storage of agricultural produce and by-products; material handling equipment and operations; farmstead planning; heating & cooling load calculation; seed processing practices and equipments; food preservation methods and products development; refrigeration and air conditioning; cold stores; waste management, cost analysis & food processing plants layout, feasibility reports.
- UNIT-VII:** Surveying and leveling; hydrology, water resources in India; efficiency in water use; irrigation system and equipment; water conveyances and associated efficiency; soil-plant-water relationship; estimation of evaporation and water requirements of crop; water harvesting and use, farm ponds and reservoirs, command area development, land use capability classification, ground water development, wells and pumping equipment, soil erosion and its control, land shaping and grading equipment and practices, hydraulic structures, drainage of irrigated and humid areas; salt balance and reclamation of saline and alkaline soils.

Code 11: MAJOR SUBJECT GROUP - WATER SCIENCE AND TECHNOLOGY

(**Sub-Subject: 11.1:** Water Science and Technology)

- Unit-I:** Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato and mango. Major soils of India, role of NPK and their deficiency symptoms. Structure and function of cell organelles; mitosis and meiosis; Mendelian genetics; elementary knowledge of photosynthesis; respiration, and transpiration; structure and functions of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Pests and diseases of major crops and their management, important rural development programmes in India; organizational set up of agricultural research, education and extension in India.
- Unit-II:** Water resources of India, surface and groundnut resources, rainfall, rainfall-runoff relations, measurement and estimation of runoff, irrigation development in India, command area development, watershed management principles, government schemes in watershed management program, water harvesting structures including farm ponds, water quality including physical, chemical and biological properties.
- Unit-III:** Physical properties of soils—texture, structure, density and consistency, infiltration, field capacity, permanent wilting point, available water hydraulic conductivity, soil water flow including Darcy's law, mechanical analysis,

chemical properties of pH, EC, atoms, molecules, colloids, clay mineral, major and trace elements, salinity and sodicity, cation exchange capacity, evaporation, evapotranspiration, water requirements of crop, plant growth process, soil and water conservation practices and tillage.

Unit-IV: Simultaneous and quadratic equations, differentiation and integration, differential equations, elements of statistics, frequency distribution, probability concepts, basic concepts of economics, energy, horse power, efficiency of machines, concepts of fluid flow, hydrostatic pressure, surface tension, irrigation water distribution and control, irrigation methods, irrigation efficiencies, irrigation scheduling, water lifting devices and pumps, construction of wells, drainage principles and applications, surface drainage, subsurface drainage, water pricing, water laws and irrigation acts.

Code 12: MAJOR SUBJECT GROUP – HOME SCIENCE (CURRENTLY RENAMED AS COMMUNITY SCIENCE)

(Sub-Subjects: 12.1: Food & Nutrition, **12.2:** Human Development & Family Studies, **12.3:** Home Management/Family Resource Management, **12.4:** Clothing & Textile/ Textile & Apparel Designing, **12.5:** Home Science Extension/ Education,/Extn. & Comm. Mgmt.)

UNIT-I: Importance of agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato, and mango. Major soils of India; role of NPK and their deficiency symptoms. General structure and function of cell organelles; mitosis and meiosis; Mendelian genetics. Elementary knowledge of growth, development, photosynthesis, respiration and transpiration; Elements of economic botany. General structure and function of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management. Organic farming; biofertilizers; biopesticides. Recombinant DNA technology; transgenic crops. Natural Resources: forest, water, mineral, food, energy and land resources. Ecosystems. Biodiversity & its conservation. Environmental pollution. Environmental ethics. Important rural development programmes in India; organizational set up of agricultural research, education and extension in India. Elements of Statistics.

UNIT-II: Elements of Human Nutrition i.e. Food groups and the nutrients contributed by each group to the diet, composition and nutritive value of foods; food processing and preservation, meal planning i.e. principles menu planning for normal individuals for different age groups and at different stages of life, diet therapy, institutional food management, community nutrition and health, food related laws, policy and programmes in India. Organic and genetically modified foods.

UNIT-III: Introduction to child/human development-meaning, concept, principles, prenatal development (conception to child birth), care of new born, pre- natal and post natal care of mother, development of child in early and late childhood, early childhood education, adolescence, development and relationship with peers & family, marriage and family dynamics, meaning, definition of family life cycle, family welfare programmes in India, community education, child studies methods, participation in pre-school/crèche.

UNIT-IV: Concept and principles of management, management process, work, work environment, work simplification, fundamentals of housing, principles of design & home furnishing-selection, care and maintenance of accessories, equipments, furniture, paintings, family finance/ economics and consumer education. Functional interiors for special needs.

UNIT-V: Introduction to clothing construction- sewing machine its parts and use, preparation of fabric for lay out textile fiber-classification, processing/manufacturing method, clothing need of family members, household textile and consumers, weaving and hosiery, traditional textiles and embroideries of India, care of clothing and textile finishes, dyeing & printing. Organic dyes.

UNIT-VI: Introduction to Home Science Education communication and extension methods, programme planning & evaluation, entrepreneurial education, projected and non- projected aids (audio-visual aids) rural development programmes in India. Empowerment of women.

Code 13: MAJOR SUBJECT GROUP - ANIMAL BIOTECHNOLOGY

(Sub-Subjects: 13.1: Animal Biotechnology, 13.2: Vety./Animal Biochemistry)

UNIT-I: Structure of prokaryotic and eukaryotic cells, cell wall, membranes, cell organelles, organization and functions, chromosome structure and functions, cell growth division and differentiation. Sub unit structure of

macromolecules and supermolecular systems. Self assembly of sub units, viruses, bacteriophage, ribosomes and membrane systems.

UNIT-II: Scope and importance of biochemistry in animal sciences, cell structure and functions. Chemistry and biological significance of carbohydrates, lipids, proteins, nucleic acids, vitamins and hormones. Enzymes— chemistry, kinetics and mechanism of action and regulation. Metabolic inhibitors with special reference to antibiotics and insecticides. Biological oxidation, energy metabolism of carbohydrates, lipids, amino acids and nucleic acids. Colorimetry, spectrophotometry, chromatography and electrophoresis methods.

UNIT-III: Chemistry of antigens and antibodies and molecular basis of immune reaction, radio-immune assay and other assays. Chemistry of respiration and gas transport, water and electrolyte metabolism. Deficiency diseases, metabolic disorders and clinical biochemistry. Endocrine glands, biosynthesis of hormones and their mechanism of action.

UNIT-IV: History of molecular biology, biosynthesis of proteins and nucleic acids, genome organization, regulation of gene expression, polymerase chain reaction, basic principles of biotechnology applicable to veterinary science gene sequence, immunodiagnosics, animal cell culture, in vitro fertilization. Sub-unit vaccines: Principles of fermentation technology. Basic principles of stem cell and animal cloning.

Code 14: MAJOR SUBJECT GROUP - VETERINARY SCIENCE

(Sub-Subjects: 14.1: Veterinary Anatomy/ Veterinary Anatomy & Histology, **14.2:** Veterinary Gynaecology and Obstetrics/Ani. Reproduction, **14.3:**Vety. Medicine (Clinical/Preventive), **14.4:** Veterinary Parasitology, **14.5:** Veterinary Pharmacology and Toxicology, **14.6:** Veterinary Pathology **14.7:** Wildlife Science/ Wildlife Health Mgt. **14.8:** Vety.Virology, **14.9:** Vety. Immunology, **14.10:** Veterinary Microbiology & Immunology/Bacteriology, **14.11:** Veterinary Surgery & Radiology **14.12:** Veterinary Public Health & Epidemiology/Vety. Public Health/Vety.Epidemiology/ Vety. Epidemiology & Preventive Medicine)

UNIT I:Structure of cells, cell organelles, chromosome structure and functions, cell growth, division and differentiation and functions. Structure and function of basic tissues-epithelium, connective tissue, muscle and nervous tissue. Gross Morphology, Histology and physiology of mammalian organs and systems, major sense organs and receptors, circulatory system. Digestion in simple stomached animals, birds and fermentative digestion in ruminants, Kidney and its functions-respiratory system-animal behaviour- growth-influence of environment on animal production-biotechnology in animal production and reproduction- electrophysiology of different types of muscle fibres. Exocrine and endocrine glands, hormones and their functions, blood composition and function. Homeostasis, osmoregulation and blood clotting. Gametogenesis and development of urogenital organs. Boundaries of body cavities. Pleural and peritoneal reflections.

UNIT-II: Classification and growth characteristics of bacteria, important bacterial diseases of livestock and poultry, general characters, classification of important fungi. Nature of viruses, morphology and characteristics, viral immunity, important viral diseases of livestock and poultry. Viral vaccines. Antigen and antibody, antibody formation, immunity, allergy, anaphylaxis, hypersensitivity, immunoglobulins, complement system. Etiology of diseases and concept, extrinsic and intrinsic factors, inflammation, degeneration, necrosis, calcification, gangrene, death, atrophy, hypertrophy, benign and malignant tumours in domestic animals. General classification, morphology, life cycle of important parasites, important parasitic diseases (Helminths, Protozoa and Arthropods) of veterinary importance with respect to epidemiology, symptoms, pathogenesis, diagnosis, immunity and control.

UNIT-III: Clinical examination and diagnosis, Etiology, epidemiology, symptoms, diagnosis, prognosis, treatment and control of diseases affecting different body systems of various species of domestic animals, epidemiology— aims, objectives, ecological concepts and applications. General surgical principles and management of surgical cases. Types, administration and effects of anaesthesia. Principles and use of radiological techniques in the diagnosis of animal diseases.
Estrus and estrus cycle in domestic animals, Synchronization of estrus, fertilization, pregnancy diagnosis, parturition, management of postpartum complications dystokias and its management, fertility, infertility and its management, artificial insemination.

UNIT-IV:Zoonotic diseases through milk and meat, Zoo animal health. Source and nature of drugs, pharmacokinetics, Chemotherapy-sulpha drugs, antibiotics, mechanism and problem of drug resistance. Drug allergy, important poisonous plants, toxicity of important agro-chemicals and their detoxification, drugs action on different body systems.

Code 15: MAJOR SUBJECT GROUP - ANIMAL SCIENCES

(**Sub-Subjects:** **15.1:** Animal Husbandry/Dairy Sci, **15.2:** Animal Genetics & Breeding, **15.3:** Animal Nutrition, **15.4:** Vety./Animal Physiology, **15.5:** Livestock Production Management, **15.6:** Livestock Products Technology, **15.7:** Poultry Science, **15.8:** Vety. & Animal Husbandry Extension **15.9:** Livestock/ Veterinary/ Animal Husbandry Economics **15.10:** Bio-Statistics)

UNIT-I: Principles of animal genetics, cell structure and multiplication. Mendel's laws, principles of population genetics, concept of heredity, heterosis and mutation, principles of evolution, principles of molecular genetics, genetic code, quantitative and qualitative traits. Selection of breeding methods in livestock and poultry. Population statistics of livestock.

UNIT-II: General nutrition, proximate principles, carbohydrates, proteins and fats their digestion and metabolism in ruminants and non-ruminants. Energy partition- measures of protein quality. Water, minerals, vitamins and additives, feeds and fodders and their classification. Common anti-nutritional factors and unconventional feeds. Hay and silage making. Grinding, chaffing, pelleting, roasting, feed block. Feed formulation principles. Digestion-control motility and secretion of alimentary tract. Mechanism, natural and chemical control of respiration, gaseous exchange and transport, high altitude living, physiology of work and exercise. Cardiac cycle, natural control of cardiovascular system. Smooth and skeletal muscle contraction. Blood coagulation. Physiology of immune system. Male and female reproduction including artificial insemination, in-vitro fertilization, cryo-preservation. Excretory system.

UNIT III: General concepts of livestock production and management, status of dairy and poultry industry, impact of livestock farming in Indian agriculture. Livestock housing, production and reproduction management, lactation management, breeding programmes for livestock and poultry. Composition, quality control and preservation of livestock products, methods of processing and storage livestock products. International Trade/WTO/IPR issues related to livestock products.

UNIT IV: Concept of sociology, differences between rural, tribal and urban communities, social change, factors of change. Principles and steps of extension education, community development- aims, objectives, organizational set up and concept evolution of extension in India, extension teaching methods. Role of livestock in economy. Identifying social taboos, social differences, obstacles in the way of organizing developmental programmes. Concept of marketing, principles of co-operative societies, animal husbandry development planning and programme, key village scheme, ICDD, Gosadan, Goshala, Role of Gram Panchayat in livestock development. Basics of statistics, data analysis and computational techniques.

Code 16: MAJOR SUBJECT GROUP - FISHERIES SCIENCE

(**Sub-Subjects:** **16.1:** Fisheries Sciences/Fish Environment Mgmt., **16.2:** Fisheries Resource Management, **16.3:** Aquaculture, **16.4:** Fish Processing Technology/Fish PHT, **16.5:** Fish Physiology & Biochemistry **16.6:** Aquatic Animal Health Mgmt., **16.7:** Fisheries Extension, **16.8:** Aquatic Env. Management, **16.9:** Fish Genetics/ Breeding / Biotechnology, **16.10:** Fish Nutrition & Feed Tech. **16.11:** Fish Economics, **16.12:** Fish Engg. & Technology)

UNIT-I: Classification and taxonomical characteristics of cultivable fisheries, crustaceans and molluscs. Fresh water, brackish water and marine fishery resources of India, marine fisheries of the world. Estuarine, lacustrine, brackish water and pond ecosystem. Population dynamics, fish stock, abundance methods and analysis. Conservation and management of fishery resources. Fisheries legislations and law of the Seas. Impact of over exploitation and climate change on fisheries resources.

- UNIT-II:** Reproduction and breeding behaviour in fishes and shellfishes, brood stock improvement, maturity and fecundity studies. Induced spawning methods and seed production, natural fish seed collection and rearing methods. Types of eggs and development of larval stages of fin fishes and shellfishes. Preparation and management of fresh water and brackish water fishponds. Cultivable species identification, introduction of exotic fishes in India. Culture methods: Pen and cage culture practices, crap and shrimp hatchery management, basic aspects of biotechnology in relation to fisheries.
- UNIT-III:** Important limnological, oceanographical and biological parameters in relation to fisheries of lotic and lentic waters, biological productivity and its impact on fisheries. Environmental impact assessment on fisheries in lentic and lotic waters. Biological parameters including energy flow, community ecology and aquatic association, biodiversity and its conservation, aquatic pollution and its management.
- UNIT-IV:** Common crafts and gears used for fish capture. Boat building material and demerits of wood, steel, aluminum, Ferro cement and FRP. Different types of fibres and netting materials and their characteristics, preservation of netting, parts of a trammel net, purse-scene, gill net and tuna long line. Food chemistry, fundamentals of microbiology. General methods of fish preservation and fishery by products. Canning and packaging techniques, processing and product development techniques.
- UNIT-V:** Introduction to fishery economics and concepts of cooperative, marketing and banking management. Supply v/s demand economics of hatchery management and fish culture operations. Profit maximization. Problems in estimating costs and returns in fisheries. WTO agreements in Fisheries sector, intellectual property rights (IPR) and international fish trade; Fisheries extension methods. Training and education needs in fisheries. Communication concepts, Modern tools of fishery extension education, participatory rural appraisal (PRA), Rapid rural appraisal (RRA), role of women in fisheries; Basics of statistics in fisheries and computer science.

Code 17: MAJOR SUBJECT GROUP - DAIRY SCIENCE

(Sub-Subjects: 17.1: Dairy Microbiology, 17.2: Dairy Chemistry)

- Unit-I:** Chemical composition of various food of plant and animal origin, structure and functions of food constituents, additives, preservatives, flavours and antioxidants, composition and physico-chemical and nutritional properties of milk and colostrum, chemistry of milk, constituents, nutrients and milk products. Test for the quality of milk, butter, ghee, milk powder etc., adulterants, neutralizers and preservatives, their detection, heat stability of milk.
- Unit II:** Introduction to dairy microbiology – Milk production hygiene and critical risk factors affecting microbiological quality on-farm; Microorganisms associated with milk and their classification based on growth temperature–psychrotrophs, mesophiles, thermodurics and thermophiles; Microbial metabolites and their role in spoilages - souring, curdling, gassiness, ropiness, proteolysis, lipolysis, abnormal flavour and colour; Antimicrobial systems in raw milk; Microbiological grading of raw milk; Microflora of mastitic milk and its importance in dairy industry; Food poisoning, food infections, toxi-infections and other milk borne diseases and their control.
- Unit-III:** Composition and chemistry of cream, butter, ghee, ice-cream, cheese, condensed and dried milks, infant food, spoilage of ghee and use of antioxidants, chemistry of milk fermentation, chemistry of rennin coagulation of milk and changes occurring during ripening of cheese, physico-chemical changes in the manufacture and storage of milk powder, lactose, crystallization and its significance, physicochemical changes during the manufacture of indigenous milk products, quality standards of dairy products.
- Unit IV:** Bacteriological aspects of milk processing - Thermization, pasteurization, boiling, sterilization, UHT, bacto-fugation, and membrane filtration; Microbiological quality of cream, butter, ice-cream, concentrated dairy products, dried milks, infants milk foods, indigenous dairy products; Factors affecting the microbiological quality of these products during production, processing, handling, storage and distribution; Enumeration, isolation and identification of conventional and emerging dairy pathogens, detection of microbial toxins, drug residues in milk and their public health importance; Microbial defects associated with dairy products and their control; Microbiology of dairy starters; Classification, genetic aspects and carbohydrate metabolism of Lactic Acid Bacteria (LAB); Preservation, propagation and quality control of dairy starters and their inhibition by antibiotic residues, detergents, sanitizers, bacteriophages etc.; Microbiology of fermented milks, cheeses and application of probiotic concept in dahi, yoghurt, Kefir, Kumiss, Bulgarian milk, cultured buttermilk, leben,

yakult, cheddar and processed cheese; Dairy plant hygiene and sanitation - Microbiology of air, water, equipments, packaging materials, personnel, disposal of dairy waste; Microbiological standards for milk and milk products - PFA, BIS, Codex/ ISO standards (ISO 9001: 2001/ISO 22000:2005).

Code 18: MAJOR SUBJECT GROUP - DAIRY TECHNOLOGY
(Sub-Subjects: 18.1: Dairy Technology, 18.2: Dairy Engineering)

- UNIT-I:** Principles and processes of food preservation, non-conventional sources, processing of fluid milk, Computerization and Automatic Process Controls in Milk Processing. HACCP Concepts in Fluid Milk Processing. Advances in Centrifugal Separation and Bactofugation. Manufacture of various types of dairy products and changes occurring during manufacture and storage and their defects. Sensory evaluation and judging of milk and milk products, types of packaging materials and their properties, packing forms and operations, problems in food packaging, recent advances in packaging dairy and food products. Intelligent Food Packaging. Nutritional Labeling of Food Products. Application of Membrane Processing in Milk Processing.
- UNIT-II:** Materials and sanitary features of the dairy equipments. Homogenizer- Theory of Homogenization. Triplex pump, Lubrication of the Homogenizer, care and Management of homogenizer, Homogenizer Accessories and Standards for Homogenizer. Pasteurizer- Pasteurizer construction & Principle Materials used in Construction of Pasteurizers. High temperature short time Pasteurizer, care of Pasteurizer, Reaction Kinetics, Sterilizer, Mixing & agitation equipments, principles of evaporation, drying. Atmosphere concentration, Vacuum Pan, Fluidization. Care of Vacuum Pan, Atmospheric Drum Dryer. Spray Dryer principles of dairy plant layout and design, Functional Design, space requirement of Milk Plant, problem through computers, centralized dispersal of data processing, d-BASE-III, Lotus 1-2-3 to graphics, Fortran.
- UNIT-III:** Fluid mechanics- properties of fluids, Bernoulli's equation and its applications, hydraulic systems Types of Pumps, Sanitary pumps, Standards for Centrifugal and Positive Rotatory Type of pumps, Selection of Pumps. Care and Upkeep of Pumps dimensional analysis, refrigeration and air-conditioning. Artificial Refrigeration, Compression Refrigeration System, Refrigeration Accessories. Calculation of size of Refrigeration Machine Requirements. Heat-transfer and thermodynamics; mechanical separations, Rittinger's and Kick's laws, Engineering of mechanics, theory of machine, strength of materials, Hook's law, materials of fabrications, machine tools, Electrical Engg., Electromagnetic induction, Magnetic- Hysteresis loop (BH Curve), AC fundamentals.

Code 19: GROUP - FOOD SCIENCE TECHNOLOGY
(Sub-Subject: 19.1: Food Technology/Food Science & Technology, 19.2: Food Safety & Quality Assurance, 19.3: Food Science & Nutrition)

- UNIT-I:** General chemistry of food constituents, physical properties of foods, properties of colloidal systems, gels and emulsions. Minerals in foods, physicochemical changes in foods during processing and storage, functions of food nutrients, dietary allowances and nutritional requirements. Metabolism of carbohydrates, lipids and protein. Biological value and PER. Food additives, contaminants and anti-nutritional factors. Food flavors and puff-flavors. National and international food standards, modern analytical techniques in food analysis.
- UNIT-II:** Engineering properties of food materials, System analysis, mass and energy balance, Principles operations and equipment for food materials flow handling, cleaning, de-husking, sorting and grading; peeling, size reduction, mixing and forming, bakery foods manufacture, extrusion, separation, filtration and membrane processes, expression, baking roasting, frying, extraction and leaching, crystallization, distillation, blanching, pasteurization, sterilization, evaporation, drying, freezing, packing, heat exchanging, dairy specific operations. Process equipment design, heat and mass transfer, equipment for steam generation, compressed air, refrigeration and air conditioning, water and waste water treatment, biochemical engineering and thermo bacteriology. Automation, on-line data acquisition and process control. Food plant layout and design. Energy audit.
- UNIT-III:** Preparation and manufacturing technology of cereals and bakery products, beef, pork, poultry, fish & sea foods and egg, sausages and table ready meats, dairy products, fresh fruits, fresh vegetables, processed fruits, processed vegetables, Post Harvest Handling and storage of Fruits and Vegetables. Sugars, sweets, fats and oils, fermented foods, alcoholic and non-alcoholic beverages, indigenous foods, fast, readymade and fashion foods. Dehydration and concentration methods, irradiation, microwave and solar processing of foods, food by-products & downstream processing, flavoring and pigment technology. Judging of food products, food

plant management and legal aspects, food plant safety, risk and hazards. Effluent treatment and environment pollution, waste solids upgrading and treatment, food storage, functions of packaging, packaging operations, types of containers, FFS, hermetics closures, canning packaging materials and package testing, transportation and marketing food products.

UNIT –IV: Role of intrinsic and extrinsic properties of food in relation to microbial growth. Microbiology of fruits, fruit products, vegetables, soft drinks, bakery products, milk and milk products, milk, fish, egg and marine produces. Spoilage of foods, food pathogens and their toxins in relation to human health. Food preservation by sugar, salt, chemicals, heat, cold, irradiation, dehydration and packaging. Microbiology of fermented foods and beverages and factors affecting their quality. Methods for microbiological examination of foods, food hygiene and safety regulations. Water quality and waste disposal in food industry.

Code 20: Group– Agri-Business Management

(Sub-Subjects: 20.1: Agri-Business Management (MBA), 20.2: Agricultural Marketing & Cooperation (M.Sc.))

UNIT-I: Social, political and economic structure in rural India. Importance of agriculture/forestry/ horticulture/livestock in national economy. Cultivation of major cereal crops, legume crops, vegetable crops, fruits and their importance in human diet. Major soils of India, essential plant nutrients, their role, deficiency symptoms and sources. Pests and diseases of major crops, vegetables, fruits and their management. Forestry production, pests and diseases management of major trees grown in India. Watershed management. Organizational set up of agricultural research, education and extension in India. Elements of statistics.

UNIT-II: Farm equipments and Farm Machinery in India, sources of energy and power on farms. Irrigation and drainage systems. Basics of post-harvest technology, Basics of energy in agriculture.

UNIT-III: Basics of veterinary, gynecology, veterinary microbiology, veterinary pathology and Parasitology, veterinary surgery, veterinary public health, veterinary pharmacology and toxicology.

UNIT-IV: Basics of human food and nutrition, human/child development, home and family resource management, clothing and textile.

UNIT-V: Quantitative ability: Test the ability of candidates to make mathematical calculations under stress conditions. All these calculations will be based on analytical skills of the candidates with understanding of mathematics at Intermediate level.

UNIT-VI: Communicative ability: Test English comprehension wherein the knowledge of language skills are tested as to how effectively the candidate communicates his thoughts and ideas.

UNIT-VII: Data Interpretation: Calculations requiring skills of interpretation of facts and figures. The questions can be posed as graphs, tables and charts.

UNIT-VIII: Logical reasoning: Evaluating logical thinking capacity by providing various options.

UNIT-IX: Fundamentals of managerial economics, market structure conduct and performance, agricultural marketing concepts- functions and institutions, trade in agriculture sector; principles of corporation; cooperatives in India; agribusiness institutions in India; entrepreneurship development.

Besides above, any other topic of scientific, social and educational importance can also be included. Around 20–25% questions shall be related to agriculture and agriculture related science subjects including recent developments.

NOTE:

- (i) The seat position indicated above is based on the information received from the Universities before preparing the bulletin. The final seat position might change and would be known only at the time of counseling.
- (ii) The numbers given in tables should be read as: Total number of Seats (Seats for Gen, SC, ST, OBC)/(PC, UPS).
- (iii) Seats for OBC in central universities, namely AMU, BHU, Viswa Bharati, Nagaland University, CAUs, IARI, IVRI, NDRI & CIFE, may be allotted/filled at the time of counseling as per latest Government of India directives and number of seats communicated by concerned university.
- (iv) The exact title/nomenclature of the degree programme might vary from one university to other. Candidates are advised to enquire the nomenclature of degree programme from the university concerned at the time /before of counseling.

CASTE CERTIFICATE FOR SCHEDULED CASTE / TRIBE CANDIDATE

1. This is to certify that Shri/Smt/Kumari..... Date of Birth
Son/Daughter of.....of village/town in
District/Division of State/Union Territorybelongs to theCaste/Tribe which is
recognized as SC/ST under The Constitution (Scheduled Caste) Order, 1950. The Constitution (Scheduled Caste)
Union Territories Order, 1951. The Constitution (Scheduled Tribes) Union Territories Order. 1951, as amended by the
SCs And STs List (Modification) Order. 1950; The Bombay Reorganization Act, 1960; The Punjab
Reorganization Act, 1966; The State Of HP Act, 1970; The North Eastern Areas (Reorganization) Act, 1971 and the
SCs And STs Order (Amendment) Act, 1976. The Constitution (Jammu & Kashmir) SC Order, 1956. The
Constitution (Andaman & Nicobar Islands) SC Order 1959 as amended by SCs and STs Order (Amendment) Act,
1976. The Constitution (Dadra And Nagar Haveli) SCs Order, 1962. The Constitution (Dadra And Nagar Haveli) STs
Order, 1962. The Constitution (Pondicherry) SCs Order, 1964. The Constitution Scheduled Tribes (Uttar Pradesh)
Order. 1967. The Constitution (Goa, Daman & Diu) SCs Order, 1968. The Constitution (Nagaland) STs Order.
1970. The Constitution (Sikkim) SCs Order, 1968 or any such Govt. of India directive applicable at the time of
counseling.
2. Shri/Smt/Kumari.....and/or his/her family ordinarily reside(s) in Village/
Town.....of District.....of State/Union Territory of
3. Applicable in the case of SC/ST persons who have migrated from State/Union Territory Administration to
another State/Union Territory. The certificate is issued on the basis of the SC/ST Certificate to Shri/Smt.
..... father/mother of Shri/Smt/Kumari..... of Village/
Town..... in District/Division..... of the State/
Union Territory who belongs to the Scheduled
Caste/ Scheduled Tribe in the State/Union Territory issued by the (Name of the
prescribed authority) vide their No Dated.....

Signature
Designation (with Seal of Office)

Place.....(State/Union Territory)

Date.....

*Please delete the words which are not applicable. Please quote specific presidential order.

Note: The term ordinarily reside(s) used here has the same meaning as in section 20 of the representation of the
people's act, 1950.

List of Authorities Empowered to Issue SC/ST Certificates

1. District Magistrate/Additional District Magistrate/Deputy Commissioner/Additional Deputy Commissioner/ Deputy
Collector/1st Class Stipendiary Magistrate/City Magistrate/Sub-divisional Magistrate/Taluka Magistrate/Executive
Magistrate/Extra Assistant Commissioner not below the rank of 1st class Stipendiary Magistrate.
2. Chief Presidency Magistrate/Additional Chief Presidency Magistrate/Presidency Magistrate
3. Revenue Officers, not below the rank of Tehsildar
4. Sub-divisional Officer of the area where the candidate and/or his family normally resides
5. Administrator/Secretary to Administrator/Development Officer (Lakshadweep Islands)

**FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES-NON CREAMY LAYER (OBC-NCL)
APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA**

This is to certify that Shri/Smt./Kum.Son/Daughter of
Shri/Smt. of Village/Town.....
District/Divisionin the..... State belongs to the
..... Community which is recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No186 dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 Dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 Dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 Dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC dated 03/12/97. (vii)
Resolution No. 12011/99/94-BCC dated 11/12/97. (viii)
Resolution No. 12011/68/98-BCC dated 27/10/99.
- (ix) Resolution no. 12011/88/98-bcc dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.
- (x) Resolution no. 12011/36/99-bcc dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.
- (xi) Resolution no. 12011/44/99-bcc Dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.
- (xii) Resolution no. 12015/9/2000-bcc dated 06/09/2001. (xiii)
Resolution no. 12011/1/2001-bcc dated 19/06/2003. (xiv)
Resolution no. 12011/4/2002-bcc dated 13/01/2004.
- (xv) Resolution No. 12011/9/2004-BCC dated 16/01/2006.
- (xvi) Resolution No. 12011/14/2004-BCC dated 12/03/ 2007.
- (xvii) Resolution No.12011/16/2007-BCC dated 12/10/2007; Resolution No.12018/6/2005-BCC dated 30/07/2010; Resolution No. 12015/2/2007-BCC dated 18/08/2010; Resolution No. 12015/15/2008-BCC dated 16/06/2011; Resolution No.12015/13/2010-BC-II dated 08/12/2011; Resolution No.12015/5/2011-BC-II dated 17/02/2014; Resolution No. 20012/129/2009-BC-II dated 04/03/2014.

Shri/Smt./Kum.....and/or his family ordinarily reside(s) in the
.....District/Division of.....State. This is also to certify
that he/she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) Dated 08/09/93 which is modified vide OM No. 36033/1/2013 Estt.(Res.) dated 27th May, 2013.

Dated:.....

**District magistrate/ Deputy commissioner, etc
Seal**

Note:

- (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950. (b)
The authorities competent to issue Caste Certificates are indicated below:
- (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector/ 1st Class Stipendiary Magistrate / Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (Not Below The Rank of 1st Class Stipendiary Magistrate).
- (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate. (iii)
Revenue Officer not below the rank of Tehsildar' and
- (iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.

Declaration/undertaking - for OBC candidates only

I,son/daughter of Shri resident of Village/Town/City.....DistrictState hereby declare that I belong to the.....Community which is recognized as a Backward Class by the Government of India for the purpose of reservation in services as per orders contained in Department of Personnel and Training Office Memorandum No.36012/22/93- Estt.(SCT), dated 8/9/1993. It is also declared that I do not belong to persons/ Sections (Creamy Layer) mentioned in Column 3 of The Schedule to the above referred Office Memorandum, Dated 8/9/1993, which is Modified vide Department of Personnel and Training Office Memorandum No. 36033/1/2013 Estt.(Res.) dated 27th May, 2013.

Place:

Signature of the Candidate

Date:

- **Declaration/undertaking not signed by candidate will be rejected.**
- **False declaration will render the applicant liable for termination of registration at any time.**

Creamy Layer Definition

OBC Creamy layer is defined comprehensively at <http://ncbc.nic.in/html/creamyayer.html>

All candidates for the OBC reserved seats should make sure that they do not satisfy any of the creamy layer criteria as listed in the website. Some general exclusion for quick reference (no way comprehensive) are as follows.

1. Any of the parents holds a constitutional position in govt. of India
2. Any one of the parents is a class i officer.
3. Both the parents are class ii officers.
4. Any one of the parents is employed in an equivalent rank to class I officer or both parents equivalent to class II officer in a public sector, insurance companies, banks, universities or in other organizations
5. Land holdings on irrigated land is 85% or more of the statutory ceiling area.
6. Parents income is more than Rs.6 lakhs per year or Government of India directives applicable at the time of counseling.

EXAMINATION CITY CENTRES AND NODAL OFFICERS' CONTACT ADDRESS

NAME OF THE CENTRE	CODE NO.	NODAL OFFICER & CONTACT PH. NO.	CONTACT ADDRESS
ANAND	01	Director & Project Co-ordinator 02692 271602	Director, ICAR-Directorate of Medicinal & Aromatic Plants Research, Boriavi-387310, Anand, Gujarat
BENGALURU	02	Director 080-28466353	ICAR-Indian Institute of Horticultural Research, Hessaraghatta Lake, Bangalore-560 089, Karnataka
BHOPAL	03	Director 0755 2737191 FAX: 0755 2734016	ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal – 462 038, Madhya Pradesh
BHUBANESWAR	04	Director 0674-2300060	ICAR- Indian Institute of Water Management, Opp. Rail Vihar, Chandrasekharpur, Bhubaneswar-751023, Odisha.
CHANDIGARH	05	Head 0172 659365 FAX: 0172 650783	ICAR-Central Soil & Water Conservation Research & Training Institute, Research Centre, Sector-27-A, Madhya Marg, Chandigarh-160 019
CHENNAI	07	Director 044-24610565, 24618817	ICAR-Central Institute of Brackish Water Aquaculture, (CIBA), No. 75, Santhome High Road, R.A. Puram, Chennai-600 028, TN
COIMBATORE	09	Director 0422-2472986	ICAR-Sugarcane Breeding Institute, Coimbatore-641 007. TN
DELHI	10	Dr. V.K. Branwal, Professor 011-25843382 09818756899	Division of Plant Pathology, ICAR-Indian Agricultural Research Institute, Pusa, New Delhi-110 012
DHARWAD	11	Dean (Agri.), 0836-2792180	College of Agricultural, University of Agricultural Science, Campus, Krishinagar, Dharwad-580005 Karnataka
GUWAHATI	13	Dean 0361-2337700	Faculty of Veterinary Sciences, Assam Agricultural University, P.O. Box – 12, Khanapara, Guwahati - 781 022, Assam
HYDERABAD	15	Admn. Officer 040 -24581222	ICAR- National Academy of Agricultural Research Management, Rajendranagar, Hyderabad-500 030, Telangana
IMPHAL	16	Registrar 0385-2410644	Central Agricultural University, P.B. No.-23, Lamphel, P.O. Imphal-795004, Manipur
JAIPUR	17	Director 0141-2550229 FAX: 0141 2550229, 2550536	Rajasthan Agricultural Research Institute, Durgapura, Jaipur-302018, Rajasthan
JAMMU	20	Registrar 0191-2262012 Fax: 0191-2262012	Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu, Chatha, Jammu-180009 (J&K)
KARNAL	21	Acting Director, 0184-2259002, 2252800, 2259004	ICAR-National Dairy Research Institute, Karnal-132001, Haryana
KOLKATA	22	Director 033- 24212115/16/17	ICAR-NIRJAFT, 12 Regent Park, Kolkata-700 040, West Bengal
LUCKNOW	24	Director 0522-2480726	ICAR-Indian Institute of Sugarcane Research, Lucknow-226 002, UP
MEDZIPHEMA	28	Director 03862 247340 Fax: 03862 247341	ICAR-National Research Centre for Mithun, Jharnapani, P.O.– Medzhiphema, Dimapur – 797106 Nagaland

NAGPUR	29	Director 07103-275536	ICAR-Central Institute for Cotton Research, Nagpur-440010, Maharashtra
PANTNAGAR	31	Coordinator Admissions 05944-233407 Fax: 05944-233473	G.B. Pant University of Agriculture & Technology, Pantnagar – 263145, U.S. Nagar, Uttarakhand

NAME OF THE CENTRE	CODE NO.	NODAL OFFICER & CONTACT PH. NO.	CONTACT ADDRESS
PATNA	32	Director, 0612- 2223962	ICAR Research Complex for Eastern Region, ICAR Parisar, P.O. Bihar Veterinary College, Patna- 800 014, Bihar
PORT BLAIR	33	Director 03192-250436	Central Island Agricultural Research Institute, Post Box No. 181, Port Blair – 744101 (Andaman & Nicobar Island)
PUNE	34	Associate Dean 020-25538489	College of Agriculture, Shivajinagar, Pune-411005, Maharashtra
RAIPUR	36	Dean 0771-2970217	College of Agriculture, IGKV, Raipur-492012, Chhattisgarh
RANCHI	37	Director 0651-2261156	ICAR-Indian Institute of Natural Resins & Gums, Namkum, Ranchi-834 010, Jharkhand
SRINAGAR	40	Director 0194-2305116	ICAR-Central Institute of Temperate Horticulture, Old Air Field, Rangreth, Srinagar-190 007, J&K
THIRUVANA NTHA- PURAM	42	Director 0471-2598551/52/53/54	ICAR-Central Tuber Crops Research Institute, Sreekariyam, Thiruvananthapuram – 695 017, Kerala
UDAIPUR	43	Dean 0294-2418976, 02429710	Rajasthan College of Agriculture, Guru Govind Singh Marg, Udaipur-313001, Rajasthan
VARANASI	44	Director 0542-2635247	ICAR-Indian Institute of Vegetable Research, P.B. No. – 1, P.O. Jakhini, Shahansapur, Varanasi – 221 305, U.P.
MATHURA	45	Controller of Examinations 0565-2471706	UP Pandit Deen Dayal Upadhaya Pashu Chikitsa Vigyan Vishwa Vidyalya Evam Go Anusandhan Sansthan, Mathura-281001, U.P.
BAREILLY	46	Head, Division of Biological Standardization 0581-2301757 09457257425	ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly-243122, UP
JODHPUR	47	Director 0291-2786584	ICAR-Central Arid Zone Research Institute, Jodhpur-342003, Rajasthan
KOZHIKODE	48	Principal Scientist 0495-2730294 Fax: 495-2731187	ICAR-Indian Institute of Spices Research, P.B. No. 1701, Marikunnu (P.O.) Kozhikode-673012 Kerala
PARBHANI	49	Associate Dean & Principal 02452-233007	College of Agriculture, VNMKV, Parbhani-431402, Maharashtra
RAICHUR	53	Registrar 08532-220157	University of Agricultural Sciences, PB No. 329, Lingasugur Rd., Raichur—584104, Karnataka
BAGALKOT	54	Registrar 08354-230276, Fax-08354- 230300	University of Horticultural Sciences, Udyanagiri, Near Seemkeri Cross, Hubli Bypass Road, Navanagar, Bagalkot-587104, Karnataka
DAPOLI	55	Registrar 02358-282065	Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapoli, Distt. Ratnagiri-415712, Maharashtra

Note:

1. The exact name/location of Examination venue in the Examination city centre will be notified later along with the e-admit card/ Roll Number in accordance with the Application Number and Date of Birth and shall be available on ICAR website www.icar.org.in in the last week of May 2017.
2. **ICAR may change/shift the examination city center opted by the candidate to another nearby centre, if number of candidates are more at any city center.**

DOMICILE STATE CODES

Sl. No.	Name of State/UT	Code Number
1.	ANDAMAN & NICOBAR ISLANDS (UT)	01
2.	ANDHRA PRADESH	02
3.	ARUNACHAL PRADESH	03
4.	ASSAM	04
5.	BIHAR	05
6.	CHANDIGARH (UT)	06
7.	CHHATTISGARH	07
8.	DADRA & NAGAR HAVELI (UT)	08
9.	DAMAN & DIU (UT)	09
10.	DELHI (UT)	10
11.	GOA	11
12.	GUJARAT	12
13.	HARYANA	13
14.	HIMACHAL PRADESH	14
15.	JAMMU & KASHMIR	15
16.	JHARKHAND	16
17.	KARNATAKA	17
18.	KERALA	18
19.	LAKSHADWEEP (U.T.)	19
20.	MADHYA PRADESH	20
21.	MAHARASHTRA	21
22.	MANIPUR	22
23.	MEGHALAYA	23
24.	MIZORAM	24
25.	NAGALAND	25
26.	ODISHA	26
27.	PUDUCHERRY (U.T.)	27
28.	PUNJAB	28
29.	RAJASTHAN	29
30.	SIKKIM	30
31.	TAMIL NADU	31
32.	TRIPURA	32
33.	UTTARAKHAND	33
34.	UTTAR PRADESH	34
35.	WEST BENGAL	35
36.	TELANGANA	36

**NUMERIC CODES FOR UNIVERSITY FROM WHERE GRADUATED, SUBJECT
STREAM, FACULTY AND DURATION**

A. Codes for University From Where Graduated

Code No.	Name of the University	Code Name (3 Letters)
01	Acharya N.G. Ranga Agricultural University, Rajendra Nagar Hyderabad-500 030 (AP)	ANG
02	Anand Agricultural University, Anand-388 110 (Gujarat)	AND
03	AP Horticultural University, Venkataramnagudem, West Godawari-534101 (AP)	AHU
04	Assam Agricultural University, Jorhat-785 013, (Assam)	AAU
05	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia-741 252 (West Bengal)	BCK
06	Birsa Agricultural University, Kanke, Ranchi-834 006 (Jharkhand)	BAU
07	Ch. Sarwan Kumar Krishi Vishva-Vidyalaya, Palampur-176 062 (HP)	HPK
08	C.S. Azad University Of Agri. & Technology, Kanpur-208 002 (UP)	CSA
09	Ch. Charan Singh Haryana Agril. University, Hisar-125 004 (Haryana)	HAU
10	Chhattisgarh Kamdhenu Vishwavidyalaya, Anjora, Dung-491 001 (CG)	CKV
11	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Distt. Ratnagiri-415 712 (Maharashtra)	KKV
12	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Krushinagar, Akola-444 104 (Maharashtra)	PDK
13	Dr. Yashwant Singh Parmar Univ. of Horticulture & Forestry, Solan, Nauni-173 230 (HP)	YSP
14	Guru Angad Dev Vety. & Animal Sciences University, Ludhiana-141004 (Punjab)	GAD
15	G.B. Pant University of Agri. & Technology, Pantnagar, Distt. Udham Singh Nagar-263145 (Uttarakhand)	GBP
16	Indira Gandhi Krishi Vishwavidyalaya, Krishak Nagar, Raipur-492 012 (Chhattisgarh)	IGK
17	Jawaharlal Nehru Krishi Viswa Vidyalaya, Adhartal, Jabalpur-482 004 (MP)	JNK
18	Junagadh Agricultural University, Junagadh-362 001 (Gujarat)	JAU
19	Karnataka Veterinary Animal And Fisheries Sciences University, Nandinagar, Bidar-585 401. (Karnataka)	KVA
20	Kerala Agricultural University, Vellanikkara, Thrissur-680 656 (Kerala)	KAU
21	Kerala University of Fisheries & Ocean Studies, Panangad P.O., Kochi - 682506, (Kerala)	KUF
22	Kerala Veterinary & Animal Sciences University, Pookot Wayanad -673576 (Kerala)	KVS
23	Lala Lajpat Rai University of Veterinary and Animal Science Hisar (Haryana)	LLR
24	Nanaji Deshmukh Veterinary Science University, Jabalpur (MP)	NDV
25	Maharana Pratap University of Agriculture & Technology, Udaipur-313 001 (Rajasthan)	MPU
26	Maharashtra Animal Science & Fishery University, Seminary Hills, Nagpur-440 006 (Maharashtra)	MAS
27	Mahatma Phule Krishi Vidyapeeth, Rahuri-413 722 (Maharashtra)	MPK
28	Marathwada Agricultural University, Parbhani-431 402 (Maharashtra)	MAU
29	Banda University of Agriculture and Technology, Banda-210001(Uttar Pradesh)	BUA
30	Narendra Deva University of Agri. and Technology, Kumarganj, Faizabad-224 229 (Uttar Pradesh)	NDU
31	Navsari Agricultural University, Dandi Road, Eruchar Rasta, Navsari-396 450 (Gujarat)	NAU
32	Orissa University of Agriculture & Technology, Bhubaneswar-751 003 (Odisha)	OUA
33	Punjab Agricultural University, Ludhiana-141 004 (Punjab)	PAU
34	Dr.RP CAU,Pusa,Samastipur-848 125 (Bihar)	DRU
35	Rajasthan Veterinary and Animal Sciences University, Bikaner (Rajasthan)	RVB
36	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya Race Course Road, Gwalior-474002. (MP)	RVG
37	Sardar Vallabh Bhai Patel Univ. of Agriculture & Technology, Modipuram, Meerut-250 110 (UP)	SVB
38	Sardarkrushinagar-Dantiwada Agricultural University, Sardar Krushinagar, Distt. Banaskantha-385 506 (Gujarat)	SDA
39	Sher-E-Kashmir University of Agril. Sciences & Technology, Jammu-180 012 (J&K)	SKJ
40	Sher-E-Kashmir University of Agril. Sciences & Technology of Kashmir, Shalimar Campus, Srinagar-191 121 (J&K)	SKS

Code No.	Name of the University	Code Name (3 Letters)
41	Sri Venkateswara Veterinary University, Tirupati, Chittoor-517 502 (Andhra Pradesh)	SVV
42	Swami Keshwanand Rajasthan Agricultural University, Bikaner-334 006 (Rajasthan)	RAB
43	Tamil Nadu Agricultural University, Coimbatore-641 003 (Tamil Nadu)	TNA
44	Tamil Nadu Veterinary & Animal Sciences University, Chennai-600 051 (Tamil Nadu)	TNV
45	Tamil Nadu Fisheries University, First Line Beach Road Nagapattinam- 611 001, (Tamil Nadu)	TNF
46	University of Agricultural Sciences, Dharwad-580 005 (Karnataka)	UAD
47	University of Agricultural Sciences, GKVK, Bengaluru-560 065 (Karnataka)	UAB
48	University of Agricultural Sciences, Raichur-584102 (Karnataka)	UAR
49	University of Agricultural and Horticultural Sciences, Shimoga (Karnataka)	UAH
50	University of Horticultural Sciences, Bagalkot-587102 (Karnataka)	UHB
51	UP Pandit Deen Dayal Upadhaya Pashu Chikitsa Vigyan Vishwa Vidyalyaya Evam Anusandhan Sansthan, Mathura-281 001 (UP)	UPP Go
52	Uttar Banga Krishi Viswavidyalaya, P.O. Pundibari, Dist. Cooch Behar-736 165 (West Bengal)	UBK
53	Uttarakhand University of Horticulture & Forestry, Bharsar, Pauri Garhwal (Uttarakhand)	UUH
54	West Bengal University of Animal & Fishery Sciences, 68 Kb Sarani, Belgachia, Kolkata-700 037 Bengal)	WBU (West
55	Central Agricultural University, P.O. Box 23, Imphal-795 004 (Manipur)	CAU
56	Aligarh Muslim University, Anoop Sahar Road, Aligarh-202 002 (UP)	AMU
57	Banaras Hindu University, Institute of Agricultural Sciences, Varanasi-221 005 (UP)	BHU
58	Nagaland University, School of Agricultural Sciences and Rural Development (SASARD), Medziphema-797 106 (Nagaland)	NAG
59	Visva Bharati, Palli Siksha Bhavana, P.O. Sriniketan-731 236 (West Bengal)	VIB
60	Sam Higginbottom Institute of Agriculture, Technology & Sciences (Formerly Allahabad Agricultural Institute), Naini, Allahabad-211 007 (UP)	SHT
61	National Dairy Research Institute, Karnal-132 001 (Haryana)	NDR
62	Delhi University (Delhi)	DEL
63	SKN Agriculture University, Jobner, (Rajasthan)	SKN
64	Agriculture University, Kota (Rajasthan)	AUK
65	Agriculture University, Jodhpur (Rajasthan)	AUJ
66	Rani Lakshmi Bai Central Agricultural University, Jhansi (UP)	RLB
67	Prof. Jayashankar State Agricultural University, Hyderabad (Telangana)	PJT
68	Bihar Agriculture University, Sabour, Bhagalpur (Bihar)	BAS
69	Kamdhenu University, Gandhinagar-382010 (Gujarat)	KUG
70	Sri Konda Laxman Telangana State Horticultural University Rajendranagar, Hyderabad (Telangana)	SKL
71	Sri P.V. Narsimha Rao Telangana State University for Veterinary, Animal and Fisheries Sciences, Rajendranagar, Hyderabad	SPV
72	Other Universities	OTH

Note: In case any degree from a particular college/university is not considered for admission by an Agricultural University or any particular college/university has been derecognized by VCI/UGC, ICAR will not be responsible for admitting students of that college/university in the Universities not willing to admit such candidates.

B: Graduation Subject Stream Code	
Stream	Code
Agriculture	01
Agricultural Coop. & Marketing	02
Basic Sciences	03
Dairy Science/Dairy Technology	04
Engineering/Technology	05
Fisheries	06
Forestry	07
Home Science	08

Horticulture	09
Veterinary Science	10
Sericulture	11
Computer Science	12
Biotechnology	13
Food Science	14
Other subject streams	15

C: Graduation College/Faculty Code	
Name of College/Faculty	Code
Agriculture	01
Horticulture	02
Home Science	03
Basic Sciences	04
Forestry/Agro Forestry	05
Dairy Science/Dairy Technology	06
Engineering/ Agri. Engineering	07
Fisheries Science	08
Veterinary	09
Any other	10

D: Graduation Duration Code	
Pattern	Code
10+2+3 Years (<i>Eligible for admission at IARI and NDRI only</i>)	3
10+2+4 Years	4
10+2+5 Years	5
10+6 Years	6

UNIVERSITIES (TENTATIVE) FOR ADMISSION THROUGH AIEEA-PG-2017 WITH ADDRESSES AND REGISTRAR'S CONTACT NUMBER

S. No.	Name & Address of University	Tel. No. of Registrar with STD Code	Fax No. of Registrar
A. ICAR INSTITUTE BASED DEEMED-TO-BE UNIVERSITIES			
1.	Central Institute of Fisheries Education, Mumbai-400 061(Maharashtra)	022-26363404	022-26361 573
2.	Indian Agricultural Research Institute, New Delhi-110 012 (Delhi)	011-25733 390	011-258442494
3.	Indian Veterinary Research Institute, Izatnagar-243 122 (UP)	0581-2301 375, 2302536	0581-2302179, 2303284
4.	National Dairy Research Institute, Karnal-132 001 (Haryana)	0184-2259008, 2259574	0184-2250 042, 0184-2272392
B. STATE AGRICULTURAL/ VETERINARY UNIVERSITIES			
5.	Acharya N.G. Ranga Agricultural University, Rajendranagar, Hyderabad-500 030 (AP)	040-24015 122	040-24018 653
6.	Anand Agricultural University, Anand-388 110 (Gujarat)	02692-261 310	02692-261 310
7.	Assam Agricultural University, Jorhat-785013 (Assam)	0376-2340 008	0376-2340 001
8.	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia-741 252 (West Bengal)	033-25878 163	03473-222 273
9.	Bihar Agricultural University, Sabour Distt. Bhagalpur 813210 (Bihar)	06274-240239	0641-2452604
10.	Birsa Agricultural University, Kanke, Ranchi-834006. (Jharkhand)	0651-2450 832	0651-2450 832
11.	Ch. Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya, Palampur, Kangra-176 062 (HP)	01894-230 383	01894-230 511
12.	C.S. Azad University of Agri. & Technology, Kanpur-208 002 (UP)	0512-2533 704	0512-2533 808
13.	Ch. Charan Singh Haryana Agril. University, Hisar-125 004 (Haryana)	01662-234 613	01662-234 613
14.	Chhattisgarh Kamdhenu Vishwavidyalaya, Anjora, Dung-491 001 (CG)	0771-2103471	0771-14223614
15.	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Distt. Ratnagiri-415 712 (Maharashtra)	02358-282 065	02358-283065 02358-282074
16.	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Krushinagar, Akola-444 104 (Maharashtra)	0724-2258 372	0724-2258372
17.	Dr. Yashwant Singh Parmar Univ. of Horticulture & Forestry, Solan, Nauni-173 230 (HP)	01792-252 219	01792-252 009
18.	Dr. Y. S. R. Horticultural University, D. C. C. Bank Building, P.B. No. 7, Tadepalligudem-534101, West Godawari Distt. (AP)	08816-284445	02692-261 520
19.	Guru Angad Dev Vety. & Animal Sciences University, Ludhiana -141 004 (Punjab)	0161-2553 342	0161-2553343
20.	G.B. Pant University of Agri. & Technology, Pantnagar, Distt. Udham Singh Nagar-263 145 (Uttarakhand)	05944-233 640	05944-233 640 05944-233 473
21.	Indira Gandhi Krishi Vishwavidyalaya, Krishak Nagar, Raipur-492 012 (Chhattisgarh)	0771-2442 537	0771-2442 302
22.	Jawaharlal Nehru Krishi Viswavidyalaya, Adhartal, Jabalpur-482 004 (MP)	0761-2481 778	0761-2481 778
23.	Junagadh Agricultural University, Junagadh-362 001 (Gujarat)	0285-2672 346	0285-2672 482
24.	Karnataka Veterinary Animal & Fisheries Sciences University, Nandinagar, Bidar-554 001 (Karnataka)	08482-245 107	08482-245 106
25.	Kerala Agricultural University, Vellanikkara, Thrissur-680 656 (Kerala)	0487-2371 619	0487-2370 019 0487-2370 432
26.	Kerala Veterinary & Animal Sciences University, Pookot Wayanad -673576 (Kerala)	0487-2373644	0487-2373043

27.	Lala Lajpat Rai University of Veterinary and Animal Science Hisar (Haryana)	01662-289065	01662-289065
28.	Nanaji Deshmukh Veterinary Science University, South Civil Lines, Jabalpur Madhya Pradesh 482001	0761-2620783	0761-2620783
29.	Maharana Pratap University of Agriculture & Technology, Udaipur-313 001 (Rajasthan)	0294-2471 302	0294-2471 302
30.	Maharashtra Animal & Fishery Sciences University, Seminary Hills, Nagpur-440 006 (Maharashtra)	0712-2511784/85	0712-2511282
31.	Mahatma Phule Krishi Vidyapeeth, Rahuri-413 722 (Maharashtra)	02426-243216	02426-243216
32.	Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani-431 402 (Maharashtra)	02452-229 755	02452-229 755
33.	Navsari Agricultural University, Eru Char Rasta, Vijalpore, Navsari-396 450 (Gujarat)	02637-282 823	02637-283794
34.	Orissa University of Agriculture & Technology, Siripur, Bhubaneswar, Khurda, 751 003 (Odisha)	0674-2397424	0674-2397424
35.	Punjab Agricultural University, Ludhiana-141 004 (Punjab)	0161-2400 955	0161-2400955
36.	Swami Keshwanand Rajasthan Agricultural University, Bikaner-334 006 (Rajasthan)	0151-2250025	0151-2250025
37.	Rajasthan University of Veterinary and Animal Sciences, Bijay Bhawan, Palace Complex, Bikaner-334006 (Rajasthan)	0151-2540028	0151-2549348 0151-2543419
38.	Sardar Vallabh Bhai Patel Univ. Of Agriculture & Technology, Modipuram, Meerut-250 110 (UP)	0121-2888502	0121-2888525
39.	Sher-E-Kashmir University of Agril. Sciences & Technology, Railway Road, Jammu-180 012 (J&K)	0191-2262012	0191-2262012
40.	Sher-E-Kashmir Univ. of Agril. Sciences & Technology of Kashmir, Shalimar, Srinagar-191 121 (J&K)	0194-2461 271	0194-2461 271
41.	Tamil Nadu Fisheries University, First Line Beach Road Nagapattinam – 611 001 (Tamil Nadu)	04365-241444	04365–240087
42.	Tamil Nadu Veterinary & Animal Sciences University, Chennai-600 051 (Tamil Nadu)	044-25551 584	044-25551 585
43.	University of Agricultural Sciences, GKVK, Bengaluru-560 065(Karnataka)	080-23330 984	080-23330 277
44.	No. 126, Navile, Shimoga -577204 (Karnataka)	08182-270705	08182-2777295 08182-279263
45.	University of Agricultural Sciences, Raichur-584102 (Karnataka)	08532-220157	08532-220360
46.	University of Horticultural Sciences, Sector No. 60, Navanagar, Bagalkot-587102. (Karnataka)	08354-201351	08354-235152
47.	UP Pandit Deen Dayal Upadhaya Pashu Chikitsa Vigyan VishwaVidyalaya Evam Go Anusandhan Sansthan, Mathura-281 001 (UP)	0565-2470199 0565-2471288	0565-2470819
48.	Uttar Banga Krishi Viswavidyalaya, P.O. Pundibari, Dist. Cooch Behar-736 165 (West Bengal)	03582-270 588	03582-270 143
49.	West Bengal University of Animal & Fishery Sciences, 68 KB Sarani, Belgachia, Kolkata-700 037(West Bengal)	033-2556 3123	033-25571986
50.	SKN Agriculture University, Jobner-303329, Distt. Jaipur (Rajasthan)	01425-254022	01425-254022
51.	Agriculture University, Kota Borkhera, Baran Road, Post Box Number 20 Kota-324001 (Rajasthan)	0744-2321205	0744-2321203
52.	Prof. Jayashankar Telangana State Agricultural University, Hyderabad-500030 (Telangana)	040-24015226	040-24016688
53.	Sri Konda Laxman Telangana State Horticultural University Rajendranagar, Hyderabad - 500030, (Telangana)	040-2401 4301	2
C. CENTRAL AGRICULTURAL UNIVERSITIES			
54.	Central Agricultural University, P.O. Box 23, Imphal-795 004 (Manipur)	0385-2410644	0385–2415196
55.	Dr.Rajendra Prasad Central Agricultural University, Pusa, Samastipur-848 125 (Bihar)	06274-240 239	06274-240277
D. CENTRAL UNIVERSITIES WITH AGRICULTURE FACULTY			
56.	Aligarh Muslim University (Faculty of Agricultural Sciences), Anoop Sahar Road, Aligarh-202 002 (UP)	0571-2700 220	0571-2700 528
57.	Banaras Hindu University (Institute of Agricultural Sciences), Varanasi-221 005 (UP)	0542-2368558	0542-2368 418

58.	Nagaland University (School of Agril. Sciences & Rural Development), Medziphema-797 106 (Nagaland)	03862-247 255	03862-247 113
59.	Visva Bharati (Palli Siksha Bhavana), (Bolpur) P.O. Sriniketan-731 236 (West Bengal)	03463-261531 03463-264 779	03463-261 156

INSTRUCTIONS FOR SUBMITTING COMPUTER GENERATED HARD COPY OF ONLINE APPLICATION FORM

Candidates are advised to read the following instructions carefully while submitting the hard copy of the online Application:

- (i) ICAR will not be held responsible for any incorrect information filled in by the applicant in the online application form. Candidates are advised to keep a photocopy of the hard copy of computer generated confirmation page of the application, the Post Office Speed-Post/Registry receipt of posting the hard copy of computer generated confirmation page and fee payment proof for future correspondence, if any.
- (ii) While filling the online form, candidate should upload soft copy of his /her clear, recent, colour photograph with name and date, thumb impression (his left/ her right hand) and signature and send its computer generated hard copy, after completing declaration in his/her own handwriting, to COE (Agril. Edn.) by post at the given address.
- (iii) The candidates must ensure that they satisfy the eligibility requirements for appearing in the examination/admission in *toto* as contained at item 3.0 in the Information Bulletin.
- (iv) It should carefully be noted by the candidate who has been punished at any time in his/her earlier academic career for having taken part in the activities of indiscipline or use of unfair means in any of the examination that he/she shall not be eligible for admission. In case it is detected at any stage that the candidate has secured admission by concealing such facts or through oversight of the admitting university, the admission will be liable to be cancelled with immediate effect.
- (v) ***In the event of rejection of the application due to late receipt, non-payment/underpayment of the application fee or any other reason(s) specified elsewhere in the Information Bulletin, the application fee paid shall not be refunded.***
- (vi) The hard copy of the computer generated confirmation page of online application, complete in all respects, packed and sealed in the envelope and **superscribed as under** should be submitted by Speed/Registered-post or may be deposited personally on any working day between 10.00 A.M. to 5.00 P.M. by the specified last date of receiving of application:

AIEEA-PG-2017

REGISTERED/SPEED- POST

22nd ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION (AIEEA-PG-2017) DURING ACADEMIC SESSION 2017-18.

**ICAR
KAB - II**

**To
THE CONTROLLER OF EXAMINATIONS (AGRIL. EDN.)
EXAMINATION CELL
AGRICULTURAL EDUCATION DIVISION
INDIAN COUNCIL OF AGRICULTURAL RESEARCH, ROOM NO. 216
KRISHI ANUSANDHAN BHAVAN - II, PUSA
NEW DELHI-110 012**

From:
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SCHEDULE FOR ONLINE COUNSELING OF QUALIFIED CANDIDATES FOR ADMISSION TO MASTER DEGREE COURSES IN AGRICULTURE AND ALLIED SUBJECTS-AIEEA-PG-2017

The time schedule for online counseling alongwith related instructions will be known after the declaration of result. Qualified candidates are advised to remain in regular touch with ICAR website www.icar.org.in in this regard.

1. For online counseling, candidates will be charged one time Registration fee of Rs.2000/- by the ICAR which will be non-refundable to the candidates. For those candidates who will finally take admissions in the Universities, the concerned university shall send a list of admitted candidates with a request to ICAR to transfer this money to the University for the adjustment against the admission fee to be paid by the admitted candidates. The balance amount of fee as prescribed by the university would have to be deposited by the candidate to the University on the date of admission. Failure to deposit the requisite admission fee and certificates to the allocated University will forfeit his/her claim for admission.
2. Reserved category candidates must produce the required cast certificates in original and in the prescribed format at the time of admission.
3. Any temporary or permanent withdrawal of original certificates will be governed as per the concerned University rules. ICAR has no objection, if certificates are returned to the candidate after verification.
4. In case of OBC candidates availing the benefits of reservation in Central Educational Institutions/Universities, the candidate will also be required to produce a Central OBC certificate (**Annexure-IV**) issued by the competent authority and satisfy following criteria:
 - Sub-caste must tally with the Central list of OBC.
 - Candidate should not belong to creamy layer.

The proof of non-creamy layer shall be verified by the University authority before their admission (Original certificate has to be produced). Therefore, candidates while going for admission in the allotted university need to carry with them all the required documents (please also see 9.1.iii) in original as well as photocopies thereof along with prescribed fee etc.

5. No claim or compensation for problems (if any) encountered or cost incurred in counseling/admission will be entertained by the ICAR/ Universities. Before registering for online counseling, candidate must ensure that all the eligibility conditions laid down in the Information Bulletin are fulfilled including the age limit, possession of Degree/PDC/ final result in hand, OGPA/percentage of marks (as applicable), relevant certificates etc. ICAR/ University will not be held responsible for denial of admission to non-eligible candidates.
6. The candidates should note that 4/5/6 years' UG degree is the essential requirements for admission to Master degree programmes in the Agricultural Universities. The candidates having passed with 3 years' UG degree programme are not eligible for admission through AIEEA-PG-2016 except at IARI and NDRI.
7. Candidates are advised to remain in touch with ICAR website for any change in schedule/notices/circulars etc. In case the letters are issued and not received by the candidates due to postal delay or any other reasons in time, ICAR shall not be held responsible for it. For counseling, the qualified candidates should download the counseling letter from ICAR website.

PLEASE NOTE

The seat positions notified in this Information Bulletin are likely to change on account of accreditation and final position will be known at the time of counselling. The candidates are advised to remain in constant touch with the ICAR website (www.icar.org.in) for any change in counseling schedule/notices/circulars etc., related to this examination.

SECRET COPY

**19th ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION TO
MASTER DEGREE AND ICAR-JRF (PGS) FOR 2014-15
OMR ANSWER SHEET**

Side - I

1. प्रत्याशी का नाम Name of Candidate			
2. पिता का नाम Father's Name			
3. अनुक्रमांक Roll Number			
4. परीक्षा केन्द्र का शहर (शहर का कोड लिखें) Exam City Centre (Write Centre Code)			परीक्षा की तिथि Date of Examination <div style="border: 1px solid black; padding: 2px; display: inline-block;">13th April, 2014</div>
5. मुख्य विषय समूह का पूरा नाम Major Subject Group (Full Name)			6. मुख्य विषय का कोड Major Subject Code <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div>

भाग-I भरने के लिए अनुदेश INSTRUCTIONS FOR FILLING SIDE - I

- I. क्रम संख्या 1 से 6 में समस्त सूचना काले या नीले बाल पेन से स्पष्ट अक्षरों में लिखें जिसमें आपने आवेदन पत्र में जैसा अपना नाम लिखा है वैसे ही पूरे नाम सहित समस्त सूचना दी जाए।
Write all information in capital letters with a black or blue ball-point pen under Serial No. 1 to 6 including your name as it appears in the application form.
- II. क्रम संख्या 7 में अपने हस्ताक्षर केवल बॉल पेन से करें। यदि आपने हस्ताक्षर नहीं किए हैं तो उत्तर पत्रक अस्वीकृत कर दिया जाएगा। आपके हस्ताक्षर आवेदन पत्र पर किए गए हस्ताक्षरों से मिलने चाहिए।
Put your signature in serial number 7 with a ball point pen only. If it is not signed, Answer Sheet would be rejected. Signature must tally with signature on the Application Form.

भाग-II भरने के लिए अनुदेश INSTRUCTIONS FOR FILLING SIDE - II

- I. यह उत्तर पत्रक कम्प्यूटरीकृत मूल्यांकन के लिए तैयार किया गया है। अतः यदि आप नीचे किए गए अनुदेशों का पालन नहीं करते हैं तो कम्प्यूटर द्वारा मूल्यांकन करना कठिन हो जाएगा। परिणामस्वरूप प्रत्याशी को क्षति होगी अर्थात् अनुदेशों का पालन न करने के परिणाम का उत्तरदायित्व प्रत्याशी का होगा।
This answer sheet is designed for computerized evaluation. Therefore, if you do not follow the instructions as given below, it may render evaluation by the computer difficult. Any resultant loss to the candidate on above account, i.e. not following the instructions, shall be the responsibility of the candidate only.
- II. प्रश्न संख्या 1 से 150 विविध चयन प्रश्न हैं, चार विकल्पों में से केवल एक वृत्त को रंगें। प्रश्न संख्या 151 से 160 आड़े तिरछे मिलान क्रम के हैं। दो जोड़ा कॉलम के बीच में मिलान कर वृत्त रंगें।
Question 1 to 150 are multiple choice questions; darken only one circle out of the four choices. Question number 151 to 160 are of cross matching type. Darken the circle matching between the two pair columns.

Example for Multiple Choice Type (1 - 150)

A ● C D

Example for Cross Matching Type (151 - 160)

(i)	A ● C D E
(ii)	A B ● D E
(iii)	● B C D E
(iv)	A B C ● D E
(v)	A B C ● E

उत्तर भरने के लिए अनुदेश INSTRUCTIONS FOR MARKING ANSWERS

- I. उत्तर पत्रक के भाग-II में वृत्तों को रंगने के लिए नीले/काले बॉल प्वाइंट पेन का ही प्रयोग करें।
Use black/blue ball-point pen only for shading the circles on Side-II of the answer sheet.
 - II. वृत्त को पूरा एवं एकसमान रंगे ताकि वृत्तों के अन्दर छया अक्षर/अंक दिखाई न दे।
Darken the circle completely and uniformly so that the letter/number printed inside the circle is not visible.
 - III. प्रत्येक प्रश्न के लिए केवल एक वही वृत्त ही रंगें जिसे आप सही समझते हैं और, जैसा कि नीचे उदाहरण में दिखाया गया है। यदि आप एक से अधिक वृत्त को रंगते हैं तो आपका उत्तर गलत माना जाएगा।
Darken only ONE circle for each answer which is correct in your opinion, as shown in the example below. If you darken more than one circle, your answer will be treated as wrong.
- Correct

● ○ ○ ○
- IV. बॉल पेन से एक बार उत्तर अंकित करने के पश्चात प्रत्याशी को उसे बदलने की छूट नहीं होगी क्योंकि यदि एक से अधिक उत्तर दिए जाते हैं तो मूल्यांकन के दौरान कम्प्यूटर उस प्रश्न के उत्तर को स्वतः रद्द कर देगा।
The candidates will not be allowed to change the answer once marked with Ball pen as the computer processing will automatically discredit marking of more than one answers to a question during evaluation.
 - V. वृत्त केवल निर्धारित स्थान पर ही रंगें। कृपया उत्तर पत्रक पर कोई अन्य दिखाई पड़ने वाला निशान न बनाएं, अन्यथा उत्तर गलत माना जाएगा और इसके लिए निर्धारित अंक कम्प्यूटर द्वारा काटे जाएंगे।
Darken the CIRCLE only in the space provided. Please do not make any visible stray mark in the answer sheet, otherwise the answer will be treated as wrong and invite negative markings by the computer.
 - VI. कोई भी रफ कार्य या परिकलन इस ओ.एम.आर उत्तर पत्रक पर नहीं किया जाना चाहिए। इस कार्य के लिए आपके प्रश्न पुस्तिका में अलग से दिए गए पृष्ठों को उपयोग करें।
Rough work should not be done on this OMR answer sheet. Use your Question booklet rough pages provided for doing the rough work.

7. प्रत्याशी के हस्ताक्षर
SIGNATURE OF THE CANDIDATE

8. सभी प्रविष्टियाँ सत्यापित (All entries verified)

निरीक्षक के हस्ताक्षर
SIGNATURE OF THE INVIGILATOR

OMR ANSWER SHEET

SIDE - II

9. MAJOR SUBJECT CODE

<input type="text"/>	<input type="text"/>
0	0
1	1
2	2
	3
	4
	5
	6
	7
	8
	9

10. QUESTION BOOKLET NO.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

11. ROLL NUMBER

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

12. CATEGORY

<input type="text"/>
SC
ST
PC
UPS
OBC
General

320347



OMR SHEET NO.

13. ANSWER COLUMNS

Q.No.	ANSWER
001	A B C D
002	A B C D
003	A B C D
004	A B C D
005	A B C D
006	A B C D
007	A B C D
008	A B C D
009	A B C D
010	A B C D
011	A B C D
012	A B C D
013	A B C D
014	A B C D
015	A B C D
016	A B C D
017	A B C D
018	A B C D
019	A B C D
020	A B C D
021	A B C D
022	A B C D
023	A B C D
024	A B C D
025	A B C D
026	A B C D
027	A B C D
028	A B C D
029	A B C D
030	A B C D

Q.No.	ANSWER
031	A B C D
032	A B C D
033	A B C D
034	A B C D
035	A B C D
036	A B C D
037	A B C D
038	A B C D
039	A B C D
040	A B C D
041	A B C D
042	A B C D
043	A B C D
044	A B C D
045	A B C D
046	A B C D
047	A B C D
048	A B C D
049	A B C D
050	A B C D
051	A B C D
052	A B C D
053	A B C D
054	A B C D
055	A B C D
056	A B C D
057	A B C D
058	A B C D
059	A B C D
060	A B C D

Q.No.	ANSWER
061	A B C D
062	A B C D
063	A B C D
064	A B C D
065	A B C D
066	A B C D
067	A B C D
068	A B C D
069	A B C D
070	A B C D
071	A B C D
072	A B C D
073	A B C D
074	A B C D
075	A B C D
076	A B C D
077	A B C D
078	A B C D
079	A B C D
080	A B C D
081	A B C D
082	A B C D
083	A B C D
084	A B C D
085	A B C D
086	A B C D
087	A B C D
088	A B C D
089	A B C D
090	A B C D

Q.No.	ANSWER
091	A B C D
092	A B C D
093	A B C D
094	A B C D
095	A B C D
096	A B C D
097	A B C D
098	A B C D
099	A B C D
100	A B C D
101	A B C D
102	A B C D
103	A B C D
104	A B C D
105	A B C D
106	A B C D
107	A B C D
108	A B C D
109	A B C D
110	A B C D
111	A B C D
112	A B C D
113	A B C D
114	A B C D
115	A B C D
116	A B C D
117	A B C D
118	A B C D
119	A B C D
120	A B C D

Q.No.	ANSWER
121	A B C D
122	A B C D
123	A B C D
124	A B C D
125	A B C D
126	A B C D
127	A B C D
128	A B C D
129	A B C D
130	A B C D
131	A B C D
132	A B C D
133	A B C D
134	A B C D
135	A B C D
136	A B C D
137	A B C D
138	A B C D
139	A B C D
140	A B C D
141	A B C D
142	A B C D
143	A B C D
144	A B C D
145	A B C D
146	A B C D
147	A B C D
148	A B C D
149	A B C D
150	A B C D

Q.No. 151 ANSWER

(i)	A B C D E
(ii)	A B C D E
(iii)	A B C D E
(iv)	A B C D E
(v)	A B C D E

Q.No. 152 ANSWER

(i)	A B C D E
(ii)	A B C D E
(iii)	A B C D E
(iv)	A B C D E
(v)	A B C D E

Q.No. 153 ANSWER

(i)	A B C D E
(ii)	A B C D E
(iii)	A B C D E
(iv)	A B C D E
(v)	A B C D E

Q.No. 154 ANSWER

(i)	A B C D E
(ii)	A B C D E
(iii)	A B C D E
(iv)	A B C D E
(v)	A B C D E

Q.No. 155 ANSWER

(i)	A B C D E
(ii)	A B C D E
(iii)	A B C D E
(iv)	A B C D E
(v)	A B C D E

Q.No. 156 ANSWER

(i)	A B C D E
(ii)	A B C D E
(iii)	A B C D E
(iv)	A B C D E
(v)	A B C D E

Q.No. 157 ANSWER

(i)	A B C D E
(ii)	A B C D E
(iii)	A B C D E
(iv)	A B C D E
(v)	A B C D E

Q.No. 158 ANSWER

(i)	A B C D E
(ii)	A B C D E
(iii)	A B C D E
(iv)	A B C D E
(v)	A B C D E

Q.No. 159 ANSWER

(i)	A B C D E
(ii)	A B C D E
(iii)	A B C D E
(iv)	A B C D E
(v)	A B C D E

Q.No. 160 ANSWER

(i)	A B C D E
(ii)	A B C D E
(iii)	A B C D E
(iv)	A B C D E
(v)	A B C D E

SPONSORSHIP CERTIFICATE

**DECLARATION BY THE EMPLOYER OF THE
CANDIDATE (FOR IN-SERVICE CANDIDATES)**

(In the case of employed (in-service) candidate, admission shall only be granted on completing this declaration in full by the Employer/Head of the Institution. It should be produced at the time of admission).

- (i) Certified that the particulars filled by Mr./ Shri..... son/
daughter of in the application form have
been verified and found correct.
- (ii) The candidate will be granted deputation leave/study leave/extra ordinary leave or he/she will be given a
scholarship or stipend of the value of Rs. per month. On completion of the degree, he/she will be
required to serve this department/institute/university for a period of years.
- (iii) If selected for admission, the candidate will be relieved to join the course on the date of start of session in
the university when admitted.
- (iv) If selected for the award of or other fellowship, there will be no objection for his receiving the scholarship
and contingency amounts attached thereto subject to the following conditions:
 - (a)
 - (b)
 - (c)
- (v) Certified that I am competent to take the decision to sponsor him/her on the terms and conditions
mentioned above/the decision to sponsor him/her on the above terms and conditions has been taken by
and is being communicated under the direction of who is the competent authority.
- (vi) This university/organization/department undertakes to pay dues outstanding against the candidate, if not
paid by him.
- (vii) Any other relevant information:

SIGNATURE

DESIGNATION

ADDRESS

.....

(WITH OFFICIAL SEAL)

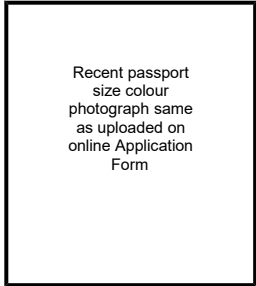
e-ADMIT CARD

Application No.

**INDIAN COUNCIL OF AGRICULTURAL RESEARCH
Krishi Anusandhan Bhavan-II, Pusa, New Delhi-110012**

All India Entrance Examination to pursue Master Degree Programme in Agriculture & Allied Sciences [AIEEA-PG-2017]

MAJOR SUBJECT GROUP NAME
MAJOR SUBJECT CODE NO.



Roll No:

Aadhaar No. or 28 digit Aadhaar Enrolment ID No. or in case of candidates from J&K, Assam & Meghalaya, the passport /ration card /bank passbook or any other valid Govt. Identity card No.as applicable:

Name and Address of Candidate

.....
.....
.....

Date of Exam: 11.06.2017 (Sunday)
Duration: 10:00 AM to 12:30 PM (2¹/₂ hrs)
Reporting Time: 09.30 A.M.
No Entry After: 10.30 A.M.
Cannot leave before 12:30 P.M.

Name of Exam City Centre:

Code of Exam City Centre:

Venue :

Thumb Impression:

After downloading e-Admit Card, the candidate should put his (left)/her(right) thumb impression in this box

Signature of the Candidate :

Controller of Exams (Agril. Edn)

See reverse for important instructions

INSTRUCTIONS FOR CANDIDATES

1. This e-Admit Card allows admission of candidate in the examination hall subject to the condition that if ineligibility is detected at any stage, the candidature will be cancelled.
2. Entry to the Examination Hall without both e-Admit Card and Aadhaar card or 28 digit Aadhaar Enrolment ID proof or in case of candidates from J&K, Assam & Meghalaya, passport /ration card /bank passbook or any other valid Govt. Identity card, as applicable, is not permitted.
3. Particulars in the e-Admit Card must be checked carefully. Errors, if any, must be reported immediately to the Examination Cell, ICAR/concerned Nodal Officer.
4. No paper other than indicated above at Sl. No. 2 should be brought inside the examination hall. Cell phones, calculators, tablets or any other electronic device, etc. and any pre-written material are strictly prohibited in the Examination hall.
5. Candidate will not be permitted entry 30 minutes after the actual time of start of examination. No extra time will be given to candidates entering after the actual time of start of examination.
6. Bring a clear colour self-attested photograph (same as uploaded at the time of filling-up of online Application) to be handed over to the invigilator in case it is demanded. ICAR reserves all rights to verify the identity and genuineness of each candidate by any means that is considered appropriate.
7. Bring at least one black/blue ball-point pen for writing/markings responses.
8. Do not attempt to give/obtain assistance of any kind. Any improper conduct of the candidate in the examination hall will entail forfeiture of candidature besides other legal action desirable.
9. Impersonation or attempt to impersonate would invite forfeiture of the candidature.
10. Any attempt to remove pages from the Question Booklet or noting down questions will result in forfeiture of candidature.
11. Do not put stray marks on the OMR answer sheet. Change of OMR Answer sheet is not permitted. Please ensure that you do not spoil the answer sheet.
12. To answer questions, darken the corresponding circle/bubble which is most appropriate in your opinion.
13. For each correct response, 4 marks will be awarded. For each incorrect response, 1 mark will be deducted (0.25 marks for matching type questions). No marks will be deducted for questions not attempted. More than one answer will be taken as incorrect response and negatively marked.
14. e-Admit Card and hardcopy of online application must be preserved for bringing at the time of admission or any further identity verification by the admitting University.
15. Failure to comply with these instructions will entail expulsion/cancellation of candidature and may invite further legal action.
16. The city of examination as filled by the candidate in the Online application shall not be changed. ICAR may change/shift the examination city center opted by the candidate to another nearby centre, if number of candidates are more at any city center.

ANNEXURE-II

Subject-wise and University-wise Tentative Number of Seats

1. PLANT BIOTECHNOLOGY

University Short Name	1.1 Plant Biochemistry/Bio. Chem							1.2 Plant Biotech & Molecular Biology/ Biotech							1.3 Plant /Crop Physiology							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
ANGRAU, Guntur, AP															2	2						
AAU, Jorhat, Assam	3	2	1					2	2						3	2		1				
BCKV, Mohanpur	2	2													2	1	1					
BHU, Varanasi, UP															4	2	1		1			
BAU, Sabour, Bhagalpur, Bihar								1	1													
CCSHAU, Hisar, Haryana	1	1						2	1	1					1	1						
CAU, Imphal, Manipur								2	1			1										
CSAUA&T, Kanpur, UP	1	1													3	2	1					
CSKHPKV, Palampur, HP	2	1		1																		
Dr. BSKKV, Dapoli								1	1						1	1						
Dr. PDKV, Akola															3	3					1	1
Dr. RPCAU, Pusa (Samastipur), Bihar								2	1			1			3	2			1			
Dr. YSPUH&F, Solan, HP								2	2													
GBPUA&T, Pantnagar, UK	2	2				1									2	1	1					
IARI, New Delhi	4	3			1			7	3	1	1	2			5	3	1		1			
IGKV, Raipur, Chhattisgarh								2	2						3	2	1					
JAU Junagadh, Gujarat	3	2	1					3	2	1				1	1			1			1	
JNKVV, Jabalpur, MP								2	2						2	1	1					
KAU, Thrissur, Kerala								1	1						2	2						
MPKV, Rahuri	2	1	1												1	1						
MPUA&T, Udaipur, Rajasthan								1	1													
OUAT, Bhubaneswar, Orissa															3	2		1				
PAU, Ludhiana, Punjab	3	2	1				1	3	1	1	1											
PJTSAU, Hyderabad, Telangana								1	1						1	1						
SKNAU, Jobner															1	1						
SKRAU, Bikaner, Rajasthan								1	1													
SKUAST, Srinagar, J&K	1	1																				
UAS, Bangalore, Karnataka	1	1						3	1	1	1		1		3	2	1					
UAS, Raichur, Karnataka															2	2						
VNMKV, Parbhani															2	2						
	25	19	4	1	1	1	1	36	24	5	3	4	1	1	50	36	8	3	3	2	1	

2. PLANT SCIENCES

University Short Name	2.1 Plant Breeding and Genetics							2.2 Plant Pathology							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
AAU, Anand	3	3													
AMU, Aligarh (U.P.)								1	1						
ANGRAU, Guntur, AP								3	2	1					
Assam Agri. Univ., Jorhat. Assam.	4	3	1					3	3						
BCKV, Mohanpur	4	3	1					5	3	1	1		1		
Banaras Hindu Univ., Varanasi, UP	4	2	1			1		4	2	1			1		
BAU, Ranchi	2	2						1	1						
BAU, Sabour, Bhagalpur, Bihar	3	2	1					2	2						
CCSHAU, Hisar. Haryana	3	3						1	1						
Central Agri. University, Imphal. Manipur	4	2	1			1		4	2	1			1		
CSAUA&T, Kanpur. UP	4	2	1	1				3	3						
CSKHPKV, Palampur. HP	4	3	1					2	2						
Dr. BSKKV, Dapoli	1	1						2	2						
Dr. PDKV, Akola	5	3	1	1				8	6	1	1		1		
Dr. RPCAU, Pusa (Samastipur) Bihar	9	5	1	1		2		6	3	1			2		
Dr. YSPUH&F, Solan, HP								4	3	1					
GBPUA&T, Pantnagar. UK	5	3	1	1				6	4	1	1		1		
IARI, New Delhi	12	5a	2b	2c	3d		1	8	3	1	1		3	1	
IGKV, Raipur. Chhattisgarh	9	7	1	1			1	4	3	1					
JAU Junagadh. Gujarat	8	6	1	1			1	3	3						
JNKVV, Jabalpur, MP	4	3	1					5	3	1	1				
KAU, Thrissur. Kerala	2	2						4	3	1					
MPKV, Rahuri	8	6	1	1			1	6	4	1	1				
MPUA&T, Udaipur. Rajasthan	2	2						2	1		1				
Nagaland University, SASARD, Medziphema	1	1						1					1		
OUAT, Bhubaneswar. Orissa	4	3	1					4	3	1				1	
PAU, Ludhiana. Punjab	4	3	1					2	1		1				
PJTSAU, Hyderabad, Telangana	3	2	1					1	1						
SVPUAT, Meerut	1	1						2	2						
SKNAU, Jobner	2	2						2	1	1					
SKRAU, Bikaner, Rajasthan	1	1						1	1						
SKUAST, Srinagar, J&K	1	1						2	2						
UAHS, Simoga	2	2						2	1	1					
UAS, Bangalore, Karnataka	4	3		1				4	3	1					
UAS, Raichur, Karnataka	3	2	1					3	3						
UBKV, Cooch Behar, West Bengal	2	2						2	1		1				
UHS, Bagalkot, Karnataka								1	1						
Visva Bharati, Sriniketan	2	1				1									
VNMKV, Parbhani	2	2						3	2	1					
	132	94	20	10		8	4	3	117	82	18	9	8	4	
a = one seat each for IARI like institution at Assam and Jharkhand, b = one seat for IARI like institution at Jharkhand, c= one seat for IARI like institution at Assam, d= one seat each for IARI, IARI like institution at Jharkhand & Assam															

University Short Name	2.3 Agril. Microbiology/Microbiology							2.4 Seed Science and Technology							2.5 Plant Genetic Resources							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
AAU, Anand																						
AMU, Aligarh (U.P.)	2	1			1																	
ANGRAU, Guntur, AP								3	2	1				1								
Assam Agri. Univ., Jorhat. Assam.																						
BCKV, Mohanpur								2	2													
Banaras Hindu Univ., Varanasi, UP																						
BAU, Ranchi																						
BAU, Sabour, Bhagalpur, Bihar								1	1													
CCSHAU, Hisar. Haryana	2	2				1		1	1													
Central Agri. University, Imphal. Manipur																						
CSAUA&T, Kanpur. UP								3	2	1												
CSKHPKV, Palampur. HP								1	1													
Dr. BSKKV, Dapoli																						
Dr. PDKV, Akola								1	1													
Dr. RPCAU, Pusa (Samastipur) Bihar																						
Dr. YSPUH&F, Solan, HP	3	2		1				3	2		1											
GBPUA&T, Pantnagar. UK	1	1																				
IARI, New Delhi	5	3	1		1			6	2	1	1	2	1		4	2		1	1			
IGKV, Raipur. Chhattisgarh	3	1	1	1																		
JAU Junagadh. Gujarat								2	2													
JNKVV, Jabalpur, MP																						
KAU, Thrissur. Kerala	2	2					1	1	1													
MPKV, Rahuri	5	4	1					2	1	1												
MPUA&T, Udaipur. Rajasthan																						
Nagaland University, SASARD, Medziphema																						
OUAT, Bhubaneswar. Orissa								3	2	1												
PAU, Ludhiana. Punjab	5	4	1																			
PJTSAU, Hyderabad, Telangana	1	1						1	1													
SVPUIAT, Meerut																						
SKNAU, Jobner																						
SKRAU, Bikaner, Rajasthan																						
SKUAST, Srinagar, J&K	1	1																				
UAHS, Simoga																						
UAS, Bangalore, Karnataka	3	3						3	2		1											
UAS, Raichur, Karnataka	3	1	1	1				3	3													
UBKV, Cooch Behar, West Bengal																						
UHS, Bagalkot, Karnataka																						
Visva Bharati, Sriniketan																						
VNMKV, Parbhani																						
	36	26	5	3	2	1	1	36	26	5	3	2	1	1	4	2	0	1	1	0	0	0

3. PHYSICAL SCIENCE

University Short Name	3.1 Agricultural /Agro. Meteorology							3.2(a) Soil Science and Agricultural Chemistry (b) Soil Conservation and Water Management/ SWC (c) Irrigation and Water Management						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
AAU, Anand								2	1		1			
ANGRAU, Guntur, AP								3	2	1				
Assam Agri. Univ., Jorhat. Assam.	1	1						3	2	1				
BCKV, Mohanpur	3	2	1					6	4	1	1		1	
Banaras Hindu Univ., Varanasi, UP								4	2	1		1		
BAU, Ranchi	1	1				1		2	2					
BAU, Sabour, Bhagalpur, Bihar								3	3	1				
CCSHAU, Hisar. Haryana	1	1						3	3					
Central Agri. University, Imphal. Manipur								4	2	1		1		
CSAUA&T, Kanpur. UP								6	4	1	1		1	1
CSKHPKV, Palampur. HP								2	2					
Dr. BSKKV, Dapoli								2	2					
Dr. PDKV, Akola								9	7	1	1		1	1
Dr. RPCAU, Pusa (Samastipur) Bihar.								6	3	1		2		
Dr. YSPUH&F, Solan, HP								2	1		1			
GBPUA&T, Pantnagar. UK	1	1						2	2					
IARI, New Delhi								8	5a	2b		1d		
IGKV, Raipur. Chhattisgarh	2	2						6	4	1	1			
JAU Junagadh. Gujarat								3	2	1				
JNKVV, Jabalpur, MP								3	2	1				
KAU, Thrissur. Kerala	1	1						5	3	1	1			
MPKV, Rahuri	2	2						8	6	1	1		1	1
MPUA&T, Udaipur. Rajasthan								1	1					
Nagaland University, SASARD, Medziphema								1	1					
OUAT, Bhubaneswar. Orissa	3	2	1					4	2	1	1			
PAU, Ludhiana. Punjab	2	2						4	3	1				
PJTSAU, Hyderabad, Telangana								1	1					
SVPuat, Meerut								2	2					
SKNAU, Jobner	2	1		1				2	2					
SKRAU, Bikaner, Rajasthan								1	1					
SKUAST, Srinagar, J&K								2	2					
UAHS, Simoga								2	2					
UAS, Bangalore, Karnataka								4	2	1	1			
UAS, Raichur, Karnataka								3	3					
UBKV, Cooch Behar, West Bengal								2	2					
UHS, Bagalkot, Karnataka								1	1					
ViswaBharati, PSBVB, Sriniketan (W.B.)								2	1			1		
VNMKV, Parbhani	3	1	1	1				3	3					
	22	17	3	2	0	1	0	127	92	19	10	6	4	3

a= Two seats each for IARI Delhi & IARI Jharkhand and one seat for IARI Assam, b= One seat each for IARI Delhi & IARI Assam, d= Seat for IARI Delhi

3. PHYSICAL SCIENCE Contd.....

University Short Name	3.3 Agricultural Physics							3.4 Agricultural Chemicals							3.5 Environmental Science							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
AAU, Anand																						
ANGRAU, Guntur, AP																						
Assam Agri. Univ., Jorhat. Assam.																						
BCKV, Mohanpur																						
Banaras Hindu Univ., Varanasi, UP																						
BAU, Ranchi																						
BAU,Sabour, Bhagalpur,Bihar																						
CCSHAU, Hisar. Haryana														1	1							
CentralAgri.University, Imphal. Manipur																						
CSAUA&T, Kanpur. UP																						
CSKHPKV, Palampur. HP														2	2							
Dr. BSKKV, Dapoli																						
Dr. PDKV, Akola																						
Dr. RPCAU, Pusa (Samastipur) Bihar.														3	2				1			
Dr. YSPUH&F, Solan,HP																						
GBPUA&T, Pantnagar. UK								1	1					2	1	1						
IARI, New Delhi	4	2	1		1			4	2	1		1		6	2	1	1	2				
IGKV, Raipur. Chhattisgarh																						
JAU Junagadh. Gujarat																						
JNKVV, Jabalpur,MP																						
KAU, Thrissur. Kerala																						
MPKV, Rahuri																						
MPUA&T, Udaipur. Rajasthan																						
NagalandUniversity, SASARD,Medziphema																						
OUAT, Bhubaneswar. Orissa																						
PAU, Ludhiana. Punjab																						
PJTSAU, Hyderabad, Telangana														1	1							
SVPUAT, Meerut																						
SKNAU, Jobner																						
SKRAU, Bikaner, Rajasthan																						
SKUAST, Srinagar, J&K														1	1							
UAHS, Simoga																						
UAS, Bangalore,Karnataka														2	1	1						
UAS, Raichur, Karnataka																						
UBKV, Cooch Behar,West Bengal																						
UHS, Bagalkot, Karnataka																						
Viswa Bharati,PSBVB, Sriniketan (W.B.)																						
VNMKV, Parbhani																						
	4	2	1	0	1	0	0	5	3	1	0	1	0	0	18	11	3	1	3	0	0	

4. ENTOMOLOGY AND NEMATOLGY

University Short Name	4.1 Agricultural/ Horticultural Entomology							4.2 Nematology						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
AAU, Anand	2	2												
AMU, Aligarh (U.P.)	1	1												
ANGRAU, Guntur, AP	3	1	1	1										
Assam Agri. Univ., Jorhat. Assam.	3	3						2	1		1			
Banaras Hindu Univ., Varanasi, UP	4	2	1		1									
BAU, Ranchi	2	2												
BAU, Sabour, Bhagalpur, Bihar	1	1												
BCKV, Mohanpur	7	5	1	1		1								
CCSHAU, Hisar. Haryana	2	2						1	1					
Centra IAgri. University, Imphal. Manipur	4	2	1		1									
CSAUA&T, Kanpur. UP	3	2	1											
CSKHPKV, Palampur. HP	2	2												
Dr. BSKKV, Dapoli	2	2												
Dr. RPCAU, Pusa (Samastipur) Bihar.	6	3	1		2			1	1					
Dr. PDKV, Akola	9	7	1	1		1								
Dr. YSPUH&F, Solan,HP								1	1					
GBPUA&T, Pantnagar. UK	4	3	1											
IARI, New Delhi	5	3	1		1			4	3			1		
IGKV, Raipur. Chhattisgarh	7	5	1	1		1								
JAU Junagadh. Gujarat	3	3												
JNKVV, Jabalpur, MP	5	4	1											
KAU, Thrissur. Kerala	6	4	1	1										
MPKV, Rahuri	7	5	1	1			1							
MPUA&T, Udaipur. Rajasthan	2	2						1		1				
Nagaland University, SASARD, Medziphema	1	1												
OUAT, Bhubaneswar. Orissa	4	2	1	1				3	2	1				
PAU, Ludhiana. Punjab	2	2						1	1					
PJ TSAU, Hyderabad, Telangana	2	2												
SVP UAT, Meerut	2	2												
SKNAU, Jobner	1	1												
SKRAU, Bikaner, Rajasthan	1	1												
SKUAST, Srinagar, J&K	2	2												
UAHS, Simoga	3	1	1	1		1								
UAS, Bangalore, Karnataka	4	3	1											
UAS, Raichur, Karnataka	4	2	1	1			1							
UBKV, Cooch Behar, West Bengal	2	2												
Viswa Bharati, PSBVB, Sriniketan (W.B.)	1	1												
VNMKV, Parbhani	3	2	1											
	122	90	18	9	5	4	2	14	10	2	1	1	0	0

4. ENTOMOLOGY AND NEMATOLOGY Contd.....

University Short Name	4.3 Apiculture							4.4 Sericulture							4.5 Plant Protection							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
AAU, Anand																						
AMU, Aligarh (U.P.)																						
ANGRAU, Guntur, AP																						
Assam Agri. Univ., Jorhat. Assam.								1	1													
Banaras Hindu Univ., Varanasi, UP																						
BAU, Ranchi																						
BAU, Sabour, Bhagalpur, Bihar																						
BCKV, Mohanpur																						
CCSHAU, Hisar. Haryana																						
Central Agri. University, Imphal. Manipur																						
CSAUA&T, Kanpur. UP																						
CSKHPKV, Palampur. HP																						
Dr. BSKKV, Dapoli																						
Dr. RPCAU, Pusa (Samastipur) Bihar.																						
Dr. PDKV, Akola																						
Dr. YSPUH&F, Solan, HP																						
GBPUA&T, Pantnagar. UK																						
IARI, New Delhi																						
IGKV, Raipur. Chhattisgarh																						
JAU Junagadh. Gujarat																						
JNKVV, Jabalpur, MP																						
KAU, Thrissur. Kerala																						
MPKV, Rahuri																						
MPUA&T, Udaipur. Rajasthan																						
Nagaland University, SASARD, Medziphema																						
OUAT, Bhubaneswar. Orissa																						
PAU, Ludhiana. Punjab																						
PJTSAU, Hyderabad, Telangana																						
SVPUAT, Meerut																						
SKNAU, Jobner																						
SKRAU, Bikaner, Rajasthan																						
SKUAST, Srinagar, J&K								2	1	1												
UAHS, Simoga																						
UAS, Bangalore, Karnataka	1	1						2	2													
UAS, Raichur, Karnataka																						
UBKV, Cooch Behar, West Bengal																						
Viswa Bharati, PSBVB, Sriniketan (W.B.)															1	1						
VNMKV, Parbhani																						
	1	1	0	0	0	0	0	5	4	1	0	0	0	0	1	1	0	0	0	0	0	0

5. AGRONOMY

University Short Name	5.1 Agronomy							5.2 Tea Husbandry & Technology						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
AAU, Anand	2	2												
ANGRAU, Guntur, AP	5	3	1	1			1							
Assam Agri. Univ., Jorhat, Assam.	4	3	1					2	2					
BCKB, Mohanpur	6	4	1	1		1								
Banaras Hindu Univ., Varanasi, UP	4	2	1		1									
BAU, Ranchi	3	3												
BAU, Sabour, Bhagalpur, Bihar	4	3	1											
CCSHAU, Hisar, Haryana	3	2	1											
Central Agri. University, Imphal, Manipur	4	3	1											
CSAUA&T, Kanpur, UP	4	3	1											
CSKHPKV, Palampur, HP	3	3												
Dr. BSKKV, Dapoli	2	2												
Dr. RPCAU, Pusa (Samastipur) Bihar.	10	4	2	1	3									
Dr. PDKV, Akola	9	7	1	1										
GBPUA&T, Pantnagar, UK	10	7	2	1		1								
IARI, New Delhi	9	5a	1b		3d		1							
IGKV, Raipur, Chhattisgarh	10	7	2	1		1								
JAU Junagadh, Gujarat	5	3	1	1										
JNKVV, Jabalpur, MP	5	3	1	1										
KAU, Thrissur, Kerala	7	5	1	1		1								
MPUA&T, Udaipur, Rajasthan	3	3												
MPKV, Rahuri	8	6	1	1		1								
Nagaland University, SASARD, Medziphema	1	1												
NDRI, Karnal, Haryana	4	3			1									
OUAT, Bhubaneswar, Orissa	4	2	1	1										
PAU, Ludhiana, Punjab	4	3	1											
PJTSAU, Hyderabad, Telangana	3	3												
SVPDAT, Meerut	3	3												
SKNAU, Jobner	2	2												
SKRAU, Bikaner, Rajasthan	1	1												
SKUAST, Srinagar, J&K	2	2												
UAHS, Simoga	3	3												
UAS, Bangalore, Karnataka	4	3	1											
UAS, Raichur, Karnataka	4	2	1	1										
UBKV, Cooch Behar, West Bengal	2	2												
Viswa Bharati, PSBVB, Sriniketan (W.B.)	4	2	1		1									
VNMKV, Parbhani	3	3					1							
	164	118	25	12	9	5	3	2	2	0	0	0	0	0
a = Three seats for IARI Delhi, one seat each for IARI like institution at Assam & Jharkhand, b = Seat for IARI Delhi, d = One for each for IARI Delhi, Assam & Jharkhand														

6. SOCIAL SCIENCES

University Short Name	6.1 Agricultural Economics							6.2 Dairy Economics						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
AAU, Anand	1	1												
ANGRAU, Guntur, AP	2	2												
Assam Agri. Univ., Jorhat. Assam.	3	3					1							
BCKV, Mohanpur	3	2	1											
Banaras Hindu Univ., Varanasi, UP	4	2	1		1									
BAU, Sabour, Bhagalpur, Bihar	1	1												
CCSHAU, Hisar. Haryana	2	2												
CentralAgri.University, Imphal. Manipur	4	2	1		1									
CSAUA&T, Kanpur. UP	3	2	1			1								
CSKHPKV, Palampur. HP	3	2	1											
Dr. BSKKV, Dapoli	2	2												
Dr. RPCAU, Pusa (Samastipur) Bihar.	6	3	1		2									
Dr. PDKV, Akola	8	6	1	1		1								
Dr. YSPUH&F, Solan, HP	3	1	1	1										
GBPUA&T, Pantnagar. UK	2	2												
IARI, New Delhi	4	2	1		1									
IGKV, Raipur. Chhattisgarh	5	3	1	1										
JAU Junagadh. Gujarat	3	2	1											
JNKVV, Jabalpur, MP	5	3	1	1										
KAU, Thrissur. Kerala	2	2												
MPKV, Rahuri	6	4	1	1		1								
MPUA&T, Udaipur. Rajasthan	1	1												
Nagaland University, SASARD, Medziphema	1	1												
NDRI, Karnal. Haryana								7	4a	1b		2d		
OUAT, Bhubaneswar. Orissa	3	3												
PAU, Ludhiana. Punjab	5	3	1	1			1							
PJTSAU, Hyderabad, Telangana	1	1												
SVPUAT, Meerut	1	1												
SKNAU, Jobner	2	2												
SKRAU, Bikaner, Rajasthan	1	1												
SKUAST, Srinagar, J&K	1	1												
UAHS, Simoga														
UAS, Bangalore, Karnataka	3	3												
UAS, Raichur, Karnataka	3	2	1											
UBKV, Cooch Behar, West Bengal	1	1												
Viswa Bharati, PSBVB, Sriniketan (W.B.)														
VNMKV, Parbhani	3	2		1										
	98	71	15	7	5	3	2	7	4	1	0	2	0	0

a= Three seats for NDRI Karnal, one seat for NDRI Bangalore
b= Seat for NDRI Karnal
d= One seat each for NDRI Karnal and Bangalore

6. SOCIAL SCIENCES Contd.....

University Short Name	6.3 Agri. Extension/ Extension Education/ Communication							6.4 Dairy Extension Education						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
AAU, Anand	2	2				1								
ANGRAU, Guntur, AP	2	2												
Assam Agri. Univ., Jorhat. Assam.	3	2	1											
BCKV, Mohanpur	7	5	1	1		1								
Banaras Hindu Univ., Varanasi, UP	4	2	1		1									
BAU, Sabour, Bhagalpur, Bihar	1	1												
CCSHAU, Hisar. Haryana														
Central Agri. University, Imphal. Manipur	4	2	1		1									
CSAUA&T, Kanpur. UP	3	1	1	1										
CSKHPKV, Palampur. HP														
Dr. BSKKV, Dapoli	2	2												
Dr. RPCAU, Pusa (Samastipur) Bihar.	5	3	1		1									
Dr. PDKV, Akola	8	6	1	1										
Dr. YSPUH&F, Solan, HP														
GBPUA&T, Pantnagar. UK	2	2												
IARI, New Delhi	6	3	1		2	1								
IGKV, Raipur. Chhattisgarh	3	2	1											
JAU Junagadh. Gujarat	2	2												
JNKVV, Jabalpur, MP	6	4	1	1										
KAU, Thrissur. Kerala	5	3	1	1			1							
MPKV, Rahuri	7	5	1	1										
MPUA&T, Udaipur. Rajasthan	1	1												
Nagaland University, SASARD, Medziphema	1				1									
NDRI, Karnal. Haryana								11	6a	1b	1c	3d		
OUAT, Bhubaneswar. Orissa	4	2	1	1										
PAU, Ludhiana. Punjab	2	2												
PJTSAU, Hyderabad, Telangana	1	1												
SVPUAT, Meerut	2	1		1										
SKNAU, Jobner	2	2												
SKRAU, Bikaner, Rajasthan	1	1												
SKUAST, Srinagar, J&K	1	1												
UAHS, Simoga	1	1												
UAS, Bangalore, Karnataka	3	2	1											
UAS, Raichur, Karnataka	2	2												
UBKV, Cooch Behar, West Bengal	1	1												
Viswa Bharati, PSBVB, Sriniketan (W.B.)	3	2			1									
VNMKV, Parbhani	3	2	1				1							
	100	70	15	8	7	3	2	11	6	1	1	3	0	0

a= Four seats for NDRI Karnal and one seat each for NDRI Bangalore & Kalyani, b= seat for NDRI Karnal
c=Seat for NDRI Karnal, d=Two seats for NDRI Karnal and one seat for NDRI Bangalore

7. STATISTICAL SCIENCES

University Short Name	7.1 Agricultural Statistics							7.2 Computer Application							7.3 Bioinformatics							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
ANGRAU, Guntur, AP	1	1																				
Assam Agri. Univ., Jorhat. Assam.	1	1																				
BAU, Sabour	1	1																				
BCKV, Mohanpur	3	1	1	1																		
CCSHAU, Hisar. Haryana	2	2													1	1						
Dr. RPCAU, Pusa, Bihar	2	1			1																	
Dr. YSPUH&F, Solan, HP	1	1																				
GBPUAT, Pantnagar	1	1																				
IARI, New Delhi	7	3		1	3	1		6	3	1	1	1			5	3	1		1		1	
IGKV, Raipur. Chhattisgarh	2	1	1																			
JAU Junagadh. Gujarat	1	1																				
JNKVV, Jabalpur, MP	2	1	1																			
KAU, Thrissur. Kerala	1	1																				
OUAT, Bhubaneswar. Orissa	3	2	1				1															
SKUAST, Srinagar, J&K	1	1																				
UAS, Bangalore, Karnataka	3	2	1																			
UBKVV, Cooch Behar, West Bengal																						
	32	21	5	2	4	1	1	6	3	1	1	1	0	0	6	4	1	0	1	0	1	1

8. HORTICULTURE

University Short Name	8.1 Horticulture							8.2 Vegetable Crops or Science/ Olericulture							8.3 Pomology/Fruit Sci., Fruit Sci. & Hort. Technology							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
AAU, Anand															2	2					1	
Assam Agri. Univ., Jorhat. Assam.	4	3	1																			
AU, Kota, Rajasthan								1	1						1	1						
Banaras Hindu Univ., Varanasi, UP	4	2	1		1																	
BAU, Sabour, Bhagalpur, Bihar	5	3	1	1		1																
CCSHAU, Hisar. Haryana	3	1	1	1				2	2													
Central Agri. University, Imphal. Manipur	2	1			1			1	1						1				1			
CSAUA&T, Kanpur. UP																						
CSKHPKV, Palampur. HP								2	2													
Dr. BSKKV, Dapoli								2	2						2	2						
Dr. PDKV, Akola																						
Dr. RPCAU, Pusa, Bihar	3	2			1																	
Dr. YSPUH&F, Solan,HP								3	1	1	1				3	2	1					1
Dr. YSRHU, Venkataramannagudem, AP								3	1	1	1				2	1		1				
GBPUA&T, Pantnagar. UK	2	1	1					2	2													
IARI, New Delhi								9	5a		1c	3d			4	2	1		1			
IGKV, Raipur. Chhattisgarh								3	2	1					3	2	1					
JAU Junagadh. Gujarat															3	2	1					
JNKVV, Jabalpur, MP								3	2	1					2	2						
KAU, Thrissur. Kerala								2	1	1					3	2	1					
MPKV, Rahuri, Maharashtra								2	2						2	2						
MPUA&T, Udaipur. Rajasthan	2	2																				
Nagaland University, SASARD, Medziphema	2	1			1																	
OUAT, Bhubaneswar. Orissa								3	2	1					3	2	1					
PAU, Ludhiana. Punjab								2	2						2	2						
SVPUAT, Meerut, UP	2	2					1															
SKLTSHU, Hyderabad (Telangana)								3	2	1			1		2	1		1				
SKNAU, Jobner, Rajasthan	2	1	1																			
SKRAU, Bikaner, Rajasthan	1	1																				
SKUAST, Srinagar, J&K								1	1						1	1						
UAHS, Simoga, Karnataka															1	1						
UAS, Bengaluru, Karnataka	3	2		1																		
UAS, Raichur, Karnataka																						
UHS, Bagalkot, Karnataka								5	3	1	1		1	1	5	3	1	1				
Viswa Bharati, PSBVB, Sriniketan (W.B.)	2	1			1																	
VNMKV, Parbhani, Maharashtra								2	2						2	2						
	37	23	6	3	5	1	1	51	36	8	4	3	2	1	44	32	7	3	2	1	1	1

a = Three seats for IARI Delhi one seat for IARI Assam & one seat for IARI Jharkhand

c = Seat for IARI Delhi

d = One seat each for IARI Delhi, IARI Jharkhand & Assam

8. HORTICULTURE Contd....

University Short Name	8.4 Post-harvest Technology of Horticultural Crops							8.5 Floriculture and Landscaping Architecture							8.6 Plantation Spices, Medicinal & Aromatic Crops							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
AAU, Anand																						
Assam Agri. Univ., Jorhat. Assam.																						
AU, Kota, Rajasthan								1	1													
Banaras Hindu Univ., Varanasi, UP																						
BAU, Sabour, Bhagalpur, Bihar	1	1																				
CCSHAU, Hisar. Haryana																						
Central Agri. University, Imphal. Manipur																						
CSAUA&T, Kanpur. UP																						
CSKHPKVV, Palampur. HP																						
Dr. BSKKV, Dapoli																						
Dr. PDKV, Akola								2	2													
Dr. RPCAU, Pusa, Bihar																						
Dr. YSPUH&F, Solan,HP								3	2	1				1	4	2	1	1				
Dr. YSRHU, Venkataramannagudem, AP								1	1						1	1						
GBPUA&T, Pantnagar. UK								1	1													
IARI, New Delhi	3	2			1			3	1	1		1										
IGKV, Raipur. Chhattisgarh																						
JAU Junagadh. Gujarat								2	2													
JNKVV, Jabalpur, MP								2	2													
KAU, Thrissur. Kerala	2	1	1												2	1	1					
MPKV, Rahuri, Maharashtra								1	1													
MPUA&T, Udaipur. Rajasthan																						
Nagaland University, SASARD, Medziphema																						
OUAT, Bhubaneswar. Orissa								3	2		1											
PAU, Ludhiana. Punjab								2	2													
SVPUAT, Meerut, UP																						
SKLTSHU, Hyderabad (Telangana)								1		1					1	1						
SKNAU, Jobner, Rajasthan																						
SKRAU, Bikaner, Rajasthan																						
SKUAST, Srinagar, J&K	1	1						1	1													
UAHS, Simoga, Karnataka								2	1	1			1		2	2						
UAS, Bengaluru, Karnataka																						
UAS, Raichur, Karnataka																						
UHS, Bagalkot, Karnataka	4	2	1	1				2	1		1				3	3						
Viswa Bharati,PSBVB, Sriniketan (W.B.)																						
VNMKV, Parbhani, Maharashtra																						
	11	7	2	1	1	0	0	27	20	4	2	1	1	1	13	10	2	1	0	0	0	

9. FORESTRY/AGROFORESTRY AND SILVICULTURE

University Short Name	9.1 Forest Production & Utilization							9.2 Silviculture & Agroforestry							9.3 Tree Physiology & Breeding							9.4 Agroforestry						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
BAU, Ranchi	2	2						3	2	1																		
CCSHAU, Hisar. Haryana																												
Central Agri. University, Imphal. Manipur																												
Dr. YSPUH&F, Solan, HP								1	1						1	1						1	1					
GBPUA&T, Pantnagar. UK																												
IGKV, Raipur. Chhattisgarh	3	2	1																			3	3					
JNKVV, Jabalpur, MP	1	1																										
KAU, Thrissur. Kerala								1	1						1	1												
PAU, Ludhiana. Punjab																						2	1		1			
SKUAST, Srinagar, J&K	3	2		1																								
UAHS, Simoga																						2	1	1				
UBKV, Cooch Behar, West Bengal																												
	9	7	1	1	0	0	0	5	4	1	0	0	0	0	2	2	0	0	0	0	0	8	6	1	1	0	0	0

University Short Name	9.5 Forest NRM/ Forest Management & Utilization							9.6 Plantation Technology							9.7 Wildlife Sci. (Forestry)							9.8 Wood Science						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
BAU, Ranchi	1	1																										
CCSHAU, Hisar. Haryana																												
Central Agri. University, Imphal. Manipur																												
Dr. YSPUH&F, Solan, HP																						1	1					
GBPUA&T, Pantnagar. UK																												
IGKV, Raipur. Chhattisgarh																												
JNKVV, Jabalpur, MP																												
KAU, Thrissur. Kerala	1	1													1	1						1	1					
PAU, Ludhiana. Punjab																												
SKUAST, Srinagar, J&K																												
UAHS, Simoga																												
UBKV, Cooch Behar, West Bengal																												
	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	2	0	0	0	0	0

10. AGRICULTURAL ENGINEERING AND TECHNOLOGY

University Short Name	10.1 Soil and Water Cons. Engg./Soil & Water Engg.							10.2 Irrigation and Drainage Engg./ Irri. Water Mgmt. Engg.							10.3 Post-Harvest Technology/ Processing & Food Engg.							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
AAU, Anand	1	1													1	1						
AMU (Faculty of Agricultural Sciences), Aligarh (U.P.)															2	1			1			
ANGRAU, Guntur, AP	1	1													1	1						
CCSHAU, Hisar. Haryana	1	1													1	1						
CentralAgri.University, Imphal. Manipur	2	1			1										2	1			1			
Dr. BSKKV, Dapoli	1	1						1	1						1	1					1	
Dr. PDKV, Akola	1	1						1	1						1	1						
GBPUA&T, Pantnagar. UK	3	2	1				1	4	3		1				2	2						
IARI, New Delhi	3	2			1										3#	1	1		1			
IGKV, Raipur. Chhattisgarh	3	2	1												3	2	1					
JAU Junagadh. Gujarat	3	2	1												2	2						
JNKVV, Jabalpur,MP	2	1	1												2	1		1				
KAU, Thrissur. Kerala	1	1													1	1						
MPKV, Rahuri	1			1				3	2	1					1	1						
MPUA&T, Udaipur. Rajasthan	2	1		1											2	2						1
OUAT, Bhubaneswar. Orissa	3	2		1		1									3	2	1					
PAU, Ludhiana. Punjab	2	2													3	1	1	1				
SKUAST, Srinagar, J&K	1	1																				
UAS, Bangalore, Karnataka															2	1		1				
UAS, Raichur, Karnataka	2	1	1												2	1	1					
VNMKV, Parbhani	1	1													1	1						
	34	24	5	3	2	1	1	9	7	1	1	0	0	0	36	25	5	3	3	1	1	1

One seat for Post Harvest Engg. & Tech. (OBC) and two seats for Agril Processing & Structure (one Gen. + one SC)

10. AGRICULTURAL ENGINEERING AND TECHNOLOGY contd....

University Short Name	10.4 Farm Machinery and Power Engg.							10.5 Renewable Energy						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
AAU, Anand	4	2	1	1		1								
AMU (Faculty of Agricultural Sciences), Aligarh (U.P.)														
ANGRAU, Guntur, AP	1	1												
CCSHAU, Hisar. Haryana	1	1												
Central Agri. University, Imphal. Manipur	2	1			1									
Dr. BSKKV, Dapoli	1	1						1	1					
Dr. PDKV, Akola	1	1					1	1	1					
GBPUA&T, Pantnagar. UK	3	2	1											
IARI, New Delhi	3	1		1	1									
IGKV, Raipur. Chhattisgarh	3	2		1										
JAU Junagadh. Gujarat	2	1	1											
JNKVV, Jabalpur, MP	2	2												
KAU, Thrissur. Kerala	1	1												
MPKV, Rahuri														
MPUA&T, Udaipur. Rajasthan	2	1	1					2	1	1				
OUAT, Bhubaneswar. Orissa	3	2	1											
PAU, Ludhiana. Punjab	2	2												
SKUAST, Srinagar, J&K	1	1												
UAS, Bangalore, Karnataka														
UAS, Raichur, Karnataka	2	2												
VNMKV, Parvhani														
	34	24	5	3	2	1	1	4	3	1	0	0	0	0

11. Water Science & Technology

University Short Name	11.1 Water Science and Technology						
	TOTAL	GEN	SC	ST	OBC	PC	UPS
IARI, New Delhi	8	4a	2b	1c	1d		
PJTSAU, Hyderabad, Telangana	1	1					
	9	5	2	1	1	0	0

a = Two seats for IARI Delhi, one seat for IARI Assam and one seat for IARI Jharkhand

b = One seat for IARI Delhi and one seat for IARI Assam

c = One seat for IARI Jharkhand

d= Seat for IARI Assam

12. HOME SCIENCE

University Short Name	12.1 Food and Nutrition							12.2 Human Development and Family Studies							12.3 Home Management/Family Resource Management							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
Assam Agri. Univ., Jorhat. Assam.	1	1						2	1		1				2	1	1					
CCSHAU, Hisar. Haryana	2	1	1			1		2	2						2	1		1				
Central Agri. University, Imphal. Manipur																						
CSAUA&T, Kanpur. UP																						
Dr. RPCAU, Pusa (Samastipur) Bihar.	2	1			1																	
GBPUA&T, Pantnagar. UK	2	2						1	1						1		1					
KAU, Thrissur. Kerala	2	1	1																			
MPUA&T, Udaipur. Rajasthan	2	2						1	1						1	1						
PAU, Ludhiana. Punjab	2	2						2	1	1					2	2						
PJTSAU, Hyderabad, Telangana	1	1						1	1						1	1						
SKRAU, Bikaner, Rajasthan	1			1																		
UAS, Bangalore, Karnataka	2	1	1																			
VNMKV, Parbhani	1	1						1		1					1	1						
	18	13	3	1	1	1	0	10	7	2	1	0	0	0	10	7	2	1	0	0	0	0

12 HOME SCIENCE Contd...

University Short Name	12.4 Clothing and Textile/ Textile & Apparel Designing							12.5 Home Science Extension / Education, / Extn. & Comm. Mgmt.						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
Assam Agri. Univ., Jorhat. Assam.	2	1		1				2	2					
CCSHAU, Hisar. Haryana	1	1						2	2					
CentralAgri.University, Imphal. Manipur														
CSAUA&T, Kanpur. UP														
Dr. RPCAU, Pusa (Samastipur) Bihar.								4	2	1		1		
GBPUA&T, Pantnagar. UK	2	2												
KAU, Thrissur. Kerala														
MPUA&T, Udaipur. Rajasthan	1	1						1	1					
PAU, Ludhiana. Punjab	2	2						2	2					
PJTSAU, Hyderabad, Telangana	1		1					1		1				
SKRAU, Bikaner, Rajasthan								1			1			
UAS, Bangalore,Karnataka														
VNMKV, Parbhani														
	9	7	1	1	0	0	0	13	9	2	1	1	0	0

13. ANIMAL BIOTECHNOLOGY

University Short Name	13.1 Animal Biotechnology							13.2 Veterinary/Animal Biochemistry						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
Assam Agri. Univ., Jorhat. Assam.	1	1						1	1					
Central Agri. University, Imphal. Manipur								1	1					
CKV, Durg, C.G.								1	1					
DUVASU, Mathura, UP								1	1					
GADVASU, Ludhiana. Punjab.								1	1					
GBPUAT, Pantnagar	1	1						1	1					
IVRI, Izatnagar (U.P.)	4	2	1		1			4	2	1		1		
KVASU, Pookode, Wayanad (Kerala)	2	1	1					2	1		1			
LUVAS, Hisar								1	1					
NDPCVV, JABALPUR	1	1						1	1					
NDRI, Karnal. Haryana	13	7a	2b	1c	3d	1	1	10#	4	2	1	3	1	1
OUAT, Bhubaneswar. Orissa								1	1					
RUVAS, Bikaner								1	1					
SKUAST, Srinagar, J&K	1	1						1	1					
TNV&ASU, Chennai, TN	1			1				1	1					
WBUFS, Kolkata								1		1				
	24	7	4	2	4	1	1	29	19	4	2	4	1	1

a= Six seats at NDRI Karnal and one seat at NDRI Kalyani

b= Two seats at NDRI Karnal

c=One seat at NDRI Karnal

d=Three seats at NDRI Karnal

All seat are at NDRI Karnal

14. VETERINARY SCIENCE

University Short Name	14.1 Veterinary Anatomy / Veterinary Anatomy & Histology							14.2 Vety. Gynecology and Obst./ Ani. Reproduction							14.3 Vety. Medicine (Clinical /Preventive)							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
Assam Agri. Univ., Jorhat. Assam.	1	1						3	2		1				1	1						
BAU,Sabour, Bhagalpur,Bihar								1	1						1	1						
CentralAgri.University, Imphal. Manipur								1	1						1					1		
CKV, Durg, C.G.	1	1						1	1						2	1	1					
CSKHPKV, Palampur. HP	2	2						2	2						1	1						
DUVASU, Mathura,UP	1	1						1	1						1	1						
GADVASU, Ludhiana. Punjab.	3	2	1			1		2	1	1					6	4	1	1				1
GBPUA&T, Pantnagar. UK	1	1						1	1						1	1						
IVRI, Izatnagar (U.P.)								5	3	1		1			6	2	1	1	2			
JAU Junagadh. Gujarat																						
KVAFSU, Bidar , Karnataka								2	1		1				2	2						
KVASU, Pookode, Wayanad (Kerala)	1	1						3	2	1			1		4	2	1	1				
LUVAS, Hisar	1	1						1	1						1	1						
NDPCVV, Jabalpur	2	1	1					2	1	1				1	2	2						
NDRI, Karnal. Haryana								5	3a	1b		1d										
OUAT, Bhubaneswar. Orissa	1	1						1	1						1	1						
RUVAS, Bikaner	1			1				1	1						1	1						
SKUAST, Srinagar, J&K	1	1						1	1						2	1	1					
TNV&ASU, Chennai,TN	1	1						1			1				2	1	1					
WBUFS, Kolkata	2	1	1					1	1						2	2					1	
	19	15	3	1	0	1	0	35	22	5	3	2	1	1	37	25	6	3	3	1	1	

a=Two seats at NDRI Karnal and one seat at NDRI Kalyani
b= Seat at NDRI Karnal
d= Seat at NDRI Karnal

14.VETERINARY SCIENCE Contd.....

University Short Name	14.4 Vety. Parasitology							14.5 Vety. Pharmacology and Toxicology							14.6 Vety. Pathology							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
Assam Agri. Univ., Jorhat. Assam.	1	1						2	1	1					1	1						
BAU,Sabour, Bhagalpur,Bihar	1	1				1									1		1					
CentralAgri.University, Imphal. Manipur															1	1						
CKV, Durg, C.G.	1	1						1			1				1	1						
CSKHPKV, Palampur. HP															1		1					
DUVASU, Mathura,UP	1	1						1	1													
GADVASU, Ludhiana. Punjab.	2	1	1					2	2						1	1						
GBPUA&T, Pantnagar. UK	1	1						1	1						1	1						
IVRI, Izatnagar (U.P.)	6	2	1	1	2			3	2			1			6	2	1	1	2			
JAU Junagadh. Gujarat								1	1													
KVAFSU, Bidar , Karnataka																						
KVASU, Pookode, Wayanad (Kerala)	2	1	1					1	1						2	2						1
LUVAS, Hisar	1	1						1		1					1	1						
NDPCVV, Jabalpur	2	1		1				2	1	1					2	2					1	
NDRI, Karnal. Haryana																						
OUAT, Bhubaneswar. Orissa	1	1						1	1						1	1						
RUVAS, Bikaner	1	1													1	1						
SKUAST, Srinagar, J&K	1	1													1		1					
TNV&ASU, Chennai,TN	1	1						1	1				1		1	1						
WBUFS, Kolkata	2	1	1					1	1						2	1		1				
	24	16	4	2	2	1	0	18	13	3	1	1	1	0	24	16	4	2	2	1	1	

14. VETERINARY SCIENCE Contd.....

University Short Name	14.10 Veterinary Microbiology & Immunology / Bacteriology							14.11 Veterinary Surgery & Radiology							14.12 Vety. Public Health & Epidemiology/ Vety. Public Health/ Vety. Epidemiology/ Vety. Epidemiology & Preventive Medicine							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
Assam Agri. Univ., Jorhat. Assam.	3	2	1					1	1						2	2						
BAU,Sabour, Bhagalpur,Bihar	1	1						1		1					1	1						
CentralAgri.University, Imphal. Manipur	1	1						1	1						1				1			
CKV, Durg, C.G.	1	1						1		1					1	1						
CSKHPKV, Palampur. HP	2	2						1	1						1	1						
DUVASU, Mathura,UP	1	1						1	1						2	1	1					1
GADVASU, Ludhiana. Punjab.	6	4	1	1				2	2				1		2	2						
GBPUA&T, Pantnagar. UK	1	1						1	1						1	1						
IVRI, Izatnagar (U.P.)	15	8	2	1	4	1	1	6	2	1	1	2		1	7	3	1	1	2	1		
JAU Junagadh. Gujarat								1	1													
KVAFSU, Bidar , Karnataka								1	1													
KVASU, Pookode, Wayanad (Kerala)	2	1	1					3	2	1					2	1	1					
LUVAS, Hisar	1	1						1	1						2	1		1				
NDPCVV, Jabalpur	2	1	1					2	1	1					1	1						
NDRI, Karnal. Haryana																						
OUAT, Bhubaneswar. Orissa	1	1						1	1													
RUVAS, Bikaner	1	1						1	1						2	1	1					
SKUAST, Srinagar, J&K	1	1						1	1						1	1						
TNV&ASU, Chennai,TN	1	1						3	2		1				2	2						
WBUFS, Kolkata	2	1		1				1	1													
	42	29	6	3	4	1	1	30	21	5	2	2	1	1	28	19	4	2	3	1	1	

15 ANIMAL SCIENCES

University Short Name	15.1 Animal Husbandry/ Dairy Sci.							15.2 Animal Genetics and Breeding							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
Assam Agri. Univ., Jorhat. Assam.								3	2	1					
BAU,Sabour, Bhagalpur,Bihar								2	1	1					
CentralAgri.University, Imphal. Manipur								1	1						
CKV, Durg, C.G.								1	1						
CSAUA&T, Kanpur. UP															
CSKHPKV, Palampur. HP								1	1						
Dr. BSKKV, Dapoli, MS	2	2													
Dr. PDKV, Akola, MS	6	4	1	1		1									
DUVASU, Mathura,UP								1	1						
GADVASU, Ludhiana. Punjab.								2	1		1				
GBPUA&T, Pantnagar. UK								1	1						
IVRI, Izatnagar (U.P.)								6	3	1		2			
JAU Junagadh. Gujarat								1	1						
KVAFSU, Bidar , Karnataka															
KVASU, Pookode, Wayanad (Kerala)								3	2	1					
LUVAS, Hisar, Haryana								1	1						
MPKV, Rahuri, MS	5	4	1												
Nagaland University, SASARD, Medziphema															
NDPCVV, JABALPUR								2	1		1				
NDRI, Karnal. Haryana								12	6a	1b	1c	4d			
OUAT, Bhubaneswar. Orissa								1	1					1	
RUVAS, Bikaner, Raj.								1	1						
SVPDAT, Meerut, UP	2	2													
SKNAU, Jobner, Raj.															
SKUAST, Srinagar, J&K								1	1						
TNV&ASU, Chennai,TN								1	1				1		
Visva Bharati, Sriniketan, WB															
VNMKV, Parbhani, MS	3	2	1												
WBUFS, Kolkata, WB								2	1	1					
	18	14	3	1	0		1	0	43	22	6	3	6	1	1

a= Four seats for NDRI Karnal, one seat for NDRI Bangalore and one seat for NDRI Kalyani, b=Seat for NDRI Karnal, c= One seat for NDRI Karnal, d=Two seat for NDRI Karnal and One seat for NDRI Kalyani One seat at Bangalore

15 ANIMAL SCIENCES Contd.....

University Short Name	15.3 Animal Nutrition							15.4 Vety./Animal Physiology							15.5 Livestock Production and Management						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
Assam Agri. Univ., Jorhat. Assam.	2	2						3	2	1			1		3	2		1			
BAU,Sabour, Bhagalpur,Bihar	2	1	1												1	1					
CentralAgri.University, Imphal. Manipur	1				1										1				1		
CKV, Durg, C.G.	1	1						1	1						1	1				1	
CSAUA&T, Kanpur. UP															1	1					1
CSKHPKVV, Palampur. HP	1	1																			
Dr. BSKKV, Dapoli, MS																					
Dr. PDKV, Akola, MS																					
DUVASU, Mathura,UP	1	1						1	1						1	1					
GADVASU, Ludhiana. Punjab.	4	3	1				1	1	1						1	1					
GBPUA&T, Pantnagar. UK	1	1						1	1						1	1					
IVRI, Izatnagar (U.P.)	7	3	1	1	2	1		4	2	1		1			4	2	1		1		
JAU Junagadh. Gujarat	1	1													1	1					
KVAFSU, Bidar , Karnataka																					
KVASU, Pookode, Wayanad (Kerala)	2	1	1					2	1	1					2	1	1				
LUVAS, Hisar, Haryana	1	1						2	1		1			1	1	1					
MPKV, Rahuri, MS																					
Nagaland University, SASARD, Medziphema															1	1					
NDPCVV, JABALPUR	2	1	1					2	2						2	1	1				
NDRI, Karnal. Haryana	12	6a	1b	2c	3d			8	4a	2b		2d			13	5a	3b	1c	4d		
OUAT, Bhubaneswar. Orissa	1	1						1	1						1	1					
RUVAS, Bikaner, Raj.	1	1						1	1						1			1			
SVPUAT, Meerut, UP																					
SKNAU, Jobner, Raj.															1	1					
SKUAST, Srinagar, J&K	1	1													1	1					
TNV&ASU, Chennai,TN	1	1						1	1						1	1					
Visva Bharati, Sriniketan, WB																					
VNMKV, Parbhani, MS																					
WBUFS, Kolkata, WB	1	1						2	1		1				1	1					
	43	28	6	3	6	1	1	30	20	5	2	3	1	1	40	25	6	3	6	1	1

a= Four seats for NDRI Karnal, one seat for NDRI Bangalore and one seat for NDRI Kalyani
b= Seat for NDRI Karnal
c= One seat for NDRI Karnal and one seat at NDRI Kalyani
d=Two seat for NDRI Karnal and One seat for NDRI Kalyani

a=four seats at NDRI Karnal
b=One seat at NDRI Karnal and one seat at Kalyani
d= Two seats at NDRI Karnal

a=Three seats at NDRI Karnal, one seat at NDRI Bangalore and one seat at NDRI Kalyani
b=One seat at NDRI Karnal and one seat at Bangalore
c=One seat at NDRI Bangalore
d= Two seats at NDRI Karnal and one each at Kalyani & Bangalore

15 ANIMAL SCIENCES Contd.....

University Short Name	15.6 Livestock Products Technology							15.7 Poultry Science							15.8 Veterinary and Animal Husbandry Extension							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
Assam Agri. Univ., Jorhat. Assam.	1	1						1	1						2	1	1					
BAU,Sabour, Bhagalpur,Bihar																						
Central Agri.University, Imphal. Manipur	1	1																				
CKV, Durg, C.G.																						
CSAUA&T, Kanpur. UP																						
CSKHPKV, Palampur. HP																						
Dr. BSKKV, Dapoli, MS																						
Dr. PDKV, Akola, MS																						
DUVASU, Mathura,UP	1	1						1	1						1	1						
GADVASU, Ludhiana. Punjab.	2	1	1												2	1		1				
GBPUA&T, Pantnagar. UK	1	1						1	1						1	1						
IVRI, Izatnagar (U.P.)	3	3						4	2	1		1			3	2			1			
JAU Junagadh. Gujarat																						
KVAFSU, Bidar , Karnataka																						
KVASU, Pookode, Wayanad (Kerala)	1			1				1	1						2	1	1					
LUVAS, Hisar, Haryana	1	1													1	1						
MPKV, Rahuri, MS																						
Nagaland University, SASARD, Medziphema																						
NDPCVV, JABALPUR								1	1													
NDRI, Karnal. Haryana																						
OUAT, Bhubaneswar. Orissa								1	1						1	1						
RUVAS, Bikaner, Raj.															1	1						
SVPUAT, Meerut, UP																						
SKNAU, Jobner, Raj.																						
SKUAST, Srinagar, J&K	1	1						1	1													
TNV&ASU, Chennai,TN	3	2	1					3	2	1					1	1						
Visva Bharati, Sriniketan, WB								2	1		1											
VNMKV, Parbhani, MS																						
WBUFS, Kolkata, WB	1	1													1	1						
	16	13	2	1	0	0	0	16	12	2	1	1	0	0	16	12	2	1	1	0	0	0

15 ANIMAL SCIENCES Contd.....

University Short Name	15.9 Livestock/ Veterinary/Animal Husbandry Economics							15.10 Bio Statistics						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
Assam Agri. Univ., Jorhat. Assam.														
BAU, Sabour, Bhagalpur,Bihar														
Central Agri. University, Imphal. Manipur														
CKV, Durg, C.G.														
CSAUA&T, Kanpur. UP														
CSKHPKV, Palampur. HP														
Dr. BSKKV, Dapoli, MS														
Dr. PDKV, Akola, MS														
DUVASU, Mathura, UP														
GADVASU, Ludhiana. Punjab.														
GBPUA&T, Pantnagar. UK														
IVRI, Izatnagar (U.P.)	3	3						2	2					
JAU Junagadh. Gujarat														
KVAFSU, Bidar , Karnataka														
KVASU, Pookode, Wayanad (Kerala)														
LUVAS, Hisar, Haryana														
MPKV, Rahuri, MS														
Nagaland University, SASARD, Medziphema														
NDPCVV, JABALPUR														
NDRI, Karnal. Haryana														
OUAT, Bhubaneswar. Orissa														
RUVAS, Bikaner, Raj.														
SVPUAT, Meerut, UP														
SKNAU, Jobner, Raj.														
SKUAST, Srinagar, J&K														
TNV&ASU, Chennai,TN	1		1					1	1					
Visva Bharati, Sriniketan, WB														
VNMKV, Parbhani, MS														
WBUFS, Kolkata, WB														
	4	3	1	0	0	0	0	3	3	0	0	0	0	0

16 FISHERIES SCIENCE

University Short Name	16.1 Fisheries Sciences/ Fish Env. Mgmt.							16.2 Fisheries Resource Management							16.3 Aquaculture							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
Assam Agri. Univ., Jorhat. Assam.																						
CentralAgri.University, Imphal. Manipur															1	1						
CIFE, Mumbai (Maharashtra)								8	3	1	1	3		1	12	6	2	1	3	1		
Dr. BSKKV, Dapoli, MS															1	1						
GADVASU, Ludhiana. Punjab.																						
GBPUA&T, Pantnagar. UK								1	1						1	1						
JAU Junagadh. Gujarat								2	1	1					1	1						
KVAFSU, Bidar , Karnataka	1	1						1	1						2	1	1					
SKUAST, Srinagar, J&K								1	1													
TNFU, Nagapattinum								1	1						1			1				
WBUFS, Kolkata, WB								1	1						1	1						
	1	1	0	0	0	0	0	15	9	2	1	3	0	1	20	12	3	2	3	1		0

16 FISHERIES SCIENCE Contds....

University Short Name	16.4 Fish Processing & Technology/ Fish PHT							16.5 Fish Physiol. & Biochemistry							16.6 Aquatic Animal Health Mgmt.							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
Assam Agri. Univ., Jorhat. Assam.																						
CentralAgri.University, Imphal. Manipur	1				1																	
CIFE, Mumbai (Maharashtra)	7	3	1	1	2		1	6	3	1		2			8	4	1	0	3	1	0	
Dr. BSKKV, Dapoli, MS	1	1																				
GADVASU, Ludhiana. Punjab.																						
GBPUA&T, Pantnagar. UK																						
JAU Junagadh. Gujarat	1	1																				
KVAFSU, Bidar , Karnataka	1	1																				
SKUAST, Srinagar, J&K																						
TNFU, Nagapattinum	1	1													1		1					
WBUFS, Kolkata, WB	1		1												1	1						
	13	7	2	1	3	0	1	6	3	1	0	2	0	0	10	5	2	0	3	1	0	

16 FISHERIES SCIENCE Contds....

UniversityShortName	16.7 Fisheries Extension							16.8 Aquatic Env. Management							16.9 Fish enetics/Breeding/Biotechnology*							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
Assam Agri. Univ., Jorhat. Assam.																						
CentralAgri.University, Imphal. Manipur	1	1													1	1						
CIFE, Mumbai (Maharashtra)	6	4	1		1			6	3	1	1	1			6+6*	3+2*	1+1*	0+1*	2+2*			
Dr. BSKKV, Dapoli, MS	1	1						1		1					1	1						
GADVASU, Ludhiana. Punjab.																						
GBPUA&T, Pantnagar. UK								1	1													
JAU Junagadh. Gujarat																						
KVAFSU, Bidar , Karnataka																						
SKUAST, Srinagar, J&K																						
TNFU, Nagapattinum	1	1																				
WBUFS, Kolkata, WB	1	1						2	2													
	10	8	1	0	1	0	0	10	6	2	1	1	0	0	14	7	2	1	4	0	0	0

16 FISHERIES SCIENCE Contd.....

University Short Name	16.10 Fish Nutrition and Feed Tech.							16.11 Fish. Economics							16.12 Fish Engg. & Technology							
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS	
Assam Agri. Univ., Jorhat. Assam.																						
CentralAgri.University, Imphal. Manipur																						
CIFE, Mumbai (Maharashtra)	6	4	1		1			6	3	1	1	1										
Dr. BSKKV, Dapoli, MS	1	1													1	1						
GADVASU, Ludhiana. Punjab.																						
GBPUA&T, Pantnagar. UK																						
JAU Junagadh. Gujarat																						
KVAFSU, Bidar , Karnataka																						
SKUAST, Srinagar, J&K																						
TNFU, Nagapattinum								1	1						1	1						
WBUFS, Kolkata, WB								1	1													
	7	5	1	0	1	0	0	8	5	1	1	1	0	0	2	2	0	0	0	0	0	0

17 DAIRY SCIENCE

University Short Name	17.1 Dairy Microbiology							17.2 Dairy Chemistry						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
AAU, Anand	1	1						1	1					
GADVASU, Ludhiana. Punjab.														
KVAFSU, Bidar , Karnataka														
NDRI, Karnal. Haryana	8#	4	1	1	2			8	4a	1b	1c	2d		
	9	5	1	1	2			9	5	1	1	2		
	# All seats are at NDRI Karnal							a= 3 seats for NDRI Karnal, One seat for NDRI, Bangalore, b= One each Seat for NDRI Karnal , c= One each Seat for NDRI Karnal d=Two seats for NDRI Karnal						

20. AGRI BUSINESS MANAGEMENT

University Short Name	20.1 Agri Business Management (MBA)							20.2 Agri. Marketing & Cooperation (M.Sc.)						
	TOTAL	GEN	SC	ST	OBC	PC	UPS	TOTAL	GEN	SC	ST	OBC	PC	UPS
AAU, Anand, Gujarat	5	3	1	1										
AMU (Faculty of Agricultural Sciences), Aligarh (U.P.)	4	3	1											
Assam Agri. Univ., Jorhat, Assam	3	3					1							
CCSHAU, Hisar, Haryana	8	6	1	1										
Dr. YSPUH&F, Solan, HP	5	4	1											
IGKV, Raipur, Chhattisgarh	3	2	1											
JAU Junagadh, Gujarat	9	7	1	1										
KAU, Thrissur, Kerala	5	4	1											
PAU, Ludhiana, Punjab	10	8	1	1		1								
SKRAU, Bikaner, Rajasthan	10	8	1	1		1								
UAS, Bangalore, Karnataka								3	3					
	62	48	9	5	0	2	1	3	3	0	0	0	0	0