

ICAR REFRESHER-2006 (VETERINARY SCIENCE)

REFRESH YOUR MEMORY.....

- * Bacterial disease in which Pasteur's vaccine is used- [Anthrax](#)
- * 'Foot rot' in sheep is caused by - [Bacterioides nodosus](#)
- * Duck Plague is the synonym for -[Duck Viral Enteritis](#)
- * 'Para anthrax' in pigs caused by- [Cl. septicum](#)
- * The indistinct margins of a radiograph due to a large focal spot of X-ray beam -[Penumbra](#).
- * The optimum temperature of developing and fixing solutions in radiography is -[68F](#)
- * Avian influenza virus has [8](#) gene segments
- * M. leprae can be cultivated in vivo only in- [Armadillo](#)
- * State of unresponsiveness towards an antigen is - [Anergy](#)
- * The cholinergic drug that cannot be hydrolyzed by AchE is -[Carbachol](#)
- * The penetrating power of X-ray beam depends on - [kvp](#)
- * Anaesthesia produced by combination of drugs is termed as-[Balanced anaesthesia](#)
- * Antigen-Antibody complexes present in dendrites of Dendritic cells- [Iccosomes](#)
- * BCG is an attenuated form of - [Mycobacterium bovis](#)
- * Vitamin C is used as an antidote to ---[Nitrate](#)-----poisoning
- * Oseltamivir is the drug of choice against- [Bird flu in humans](#)
- * The species of animal in which Ivermectin crosses the BBB- [Equines](#)

- * The only anaesthetic agent known to be carcinogenic- Fluoroxene
- * The drugs contraindicated in parakeets & cats respectively are- Procaine & Morphine
- * The species most sensitive to the ill-effects of xylazine - Cattle
- * A pantropic virus that commonly affects Canines- Canine distemper virus
- * Symplasma stage in submucosa is seen in- Johne' s Disease
- * Oestrogenic mycotoxin causing reproductive disorders in swine is- Zearalenone
- * 'Blue eye' or Rubar th's Disease is the synonym for- Infectious Canine Hepatitis
- * Which is the most potent opiate analgesic? Carfentanil
- * Name a benzodiazepine antagonist- Flumazenil
- * Ketamine is contraindicated in head injuries as it increases -Intra cranial pressure
- * The subtype of Avian flu virus causing human casualties around the world- H5N1
- * Mad cow disease is caused by- Prions
- * Cold enrichment procedure is done for the isolation of - Listeria
- * 'J' chain is present in immunoglobulins- IgA and IgM
- * In the body, Chloral hydrate is converted to - Tricholoroethanol
- * Name one anaesthetic agent which is steroid in nature- Althesin
- * Dose of Anthrax vaccine- 1ml s/c
- * Anaphylatoxins are- C3a and C5a
- * The specific antidote of Morphine is- Nalorphine
- * Dunkop (pulmonary) and Dikkop (cardiac) are two forms of - African Horse Sickness
- * Wire loop lesions in the glomerular basement membrane seen in- SLE
- * The drug used to stabilize mast cells- Cromolyn sodium
- * Hyaluronidase-- enzyme used with local anaesthetics to promote its diffusion and absorption

- * Milbemycin oxime is obtained from-*Streptomyces hygroscopicus*
- * Name a suture material that glows in darkness easy to handle in poor light- Flurofil
- * Cardinal Signs of Inflammation was propounded by- Cornelius Celsus
- * FMD virus multiplies in the -----Str.spinosum----- layer of epidermis
- * Father of Immunology is- Edward Jenner
- * Lambsiekte in cattle and sheep is caused by - Cl.botulinum type D.
- * Vaccine strain of B.anthraxis is - Avirulent and Non capsulated
- * Monsell's suture technique is used in - Enteroanastomosis
- * Ethylene oxide is a gaseous agent used for sterilization kills microorganisms by-Alkylation..
- * VitC is necessary for hydroxylation of proline & lysine in synthesis of -Collagen
- * 'Bomb burst' or 'Umbrella like' colonies are characteristic of - Listeria
- * Influenza virus is typed based on Matrix and Nucleocapsid antigen
- * The conversion of DHFA to THFA is blocked by- Trimethoprim
- * Examples of penicillinase resistant penicillins- Methicillin and Cloxacillin
- * First immunoglobulin to be synthesized in Neonates- IgM.
- * Abortion storms in sheep is caused by- Campylobacter foetus
- * Vaccine strain used for prophylaxis of IBD infection-Georgia
- * Which is the only benzimidazole drug that wont inhibit Fumarate reductase- Mebendazole
- * Name an anthelmintic which was previously used to treat human gout- Piperazine
- * The experimental animal used for FMD research is - Guinea pig
- * The no: of capsomers in Adenoviruses is- 252
- * The source of Vero cell line is - African Green Monkey (Kidney)
- * Heat resistant ability of sporulated bacterium is due to the compound-Ca dipicolinate

- * The generation of **monoclonal antibodies** involves-**Salvage pathway**
- * **Antibiotic** which can also function as an **anthelmintic** agent is- **Hygromycin B**
- * **Ivermectin toxicity** can be reversed by using - **Picrotoxin**
- * **Cucurbitin**, an active principle in **Pumpkin seed** is used for the treatment for-**Cestodiasis**
- * Name a live vaccine previously used against rabies- **Flury's LEP & HEP**
- * Periarticular lymphoid sheath (**PALS**) is populated by **T lymphocytes** are seen in-**Spleen**
- * **Habel's testing (mouse test)** is done for the diagnostic assessment of- **Rabies**
- * Most immunogenic viral polypeptide of FMD virus is - **VP1**
- * **Rabbits** show **genetic tolerance** towards- **Atropine**
- * The **diuretic** that **cannot** be given along with **aminoglycoside** antibiotics- **Furosemide**
- * The antibiotic **Gentamicin** is obtained from- **Micromonosporum purpureum**
- * **Ochratoxin** primarily causing renal impairment is produced by- **Aspergillus ochraceus**
- * Name the **smallest animal virus**- **Porcine circovirus (17-20nm)**., FMDV is of 27-30nm size.
- * **Pyometra in bitches** is caused by -**E.coli**
- * **Strawberry foot rot** is caused by-**Dermatophilus congolensis**
- * Drug of choice for mycoplasmosis- **Tylosin**
- * **'Tennis racket' shaped spores** are present in- **Cl. chauvoei**
- * **Psittacosis or Ornithosis in birds** is caused by- **Chlamydophila psittaci**
- * The **proton pump inhibitor** used to treat **Zollinger-Ellison syndrome**-**Omeprazole**
- * Rabies virus (bullet shaped) belongs to the genus- **Lyssa virus**
- * **'Bull Nose' in pigs** is caused by- **Fusobacterium necrophorus**
- * DNA virus that **codes for reverse transcriptase** enzyme- **Hepadna virus**
- * Chronic Respiratory Disease in birds is caused by - **Mycoplasma gallisepticum**

- * Immediate precursor of all sex steroids- Pregnenalone
- * In avian tuberculosis the lesion are confined to - GI tract
- * Name a commonly used AchE reactivator- Pralidoxime.
- * Piperonyl butoxide is used as a synergist along with -Pyrethroids
- * HVT is the vaccine strain used against- Marek's Disease
- * In *B. abortus*, the ratio between LPS antigens A and M is - 20:1
- * Kume and Page Scheme is used for the classification of- *Haemophilus*
- * Reverse Genetics is nowadays used for the production of vaccine strains of - Avian flu virus
- * Drug of choice against Theileriosis is -Buparvaquone
- * With H&E staining the calcified tissue appears -Blue
- * The toxic level of Aflatoxin in ducklings is- 0.03ppm
- * Summer Mastitis in cattle is caused by -*C. pyogenes*
- * Heart Water disease is caused by- *Cowdria ruminantium*
- * EMJH medium is commonly used for the cultivation of -*Leptospira*
- * Hoti' s test is used for detecting *Str. agalactiae* mastitis
- * Infectious Bulbar Paralysis is the synonym for- *Psuedorabies*
- * Sulphonamides are metabolized by acetylation in ruminants and glucuronidation in canines.
- * Scythe shaped spleen is seen in -Horses
- * The most important symptom of anthrax in dogs is -Gastroenteritis.
- * Braxy in sheep is caused by -*Cl. septicum*.
- * The microbes that have the ability to survive pasteurization temp is -*Listeria* and *Coxiella*
- * Techoic acid is present in the cell wall of - Gram + bacteria
- * Route of inoculation in chicken embryos is intravenous for Blue tongue virus

- * 'Darling disease' is caused by - *Histoplasma*
- * New Jersey, Indiana and Trinidad are strains of - *Vesicular stomatitis virus*
- * Diene staining is used for - *Mycoplasma*
- * *Aspergillus flavus* in SDA produces- Yellowish green colonies
- * Cork screw motility is shown by - *Campylobacter*
- * Turkey coryza which is highly contagious is caused by - *Bordetella avium*
- * Castanida and Machiavello staining are employed for detecting- *Chlamydia*
- * The antibodies used against the Rh antigen to prevent *Erythroblastosis foetalis*- Rhogam
- * The immunoglobulin known as 'Reagin'- IgE
- * Macrophages present in Kidney are known as- *Mesangial cells*
- * Interleukin that suppresses the immune response is - IL-10
- * Etiological agent of silage disease is – *Listeria*.
- * Smallest living organism of individual existence- *Mycoplasma*
- * *Bacillus anthracis* have medusa head like colonies in -Nutrient agar
- * *Clostridium perfringens* type A in animals causes- Gas gangrene
- * The class of immunoglobulin that first appears in primary immune response- IgM
- * Polypeptide chain called secretory component is present in- IgA
- * Docking in dogs can predispose to a condition called- *Perineal Hernia*
- * Hoflund's syndrome is the synonym for- *Vagal indigestion*
- * Vitamin K dependent clotting factors are- 2,7,9 and 10.
- * Limber neck in poultry is caused by- *Clostridium botulinum* type C
- * The amino acid tryptophan act as growth promoter for the microbe- *Erysepelothrix*
- * The most potent Aflatoxin is- B1

- * The cytolytic product of CTL cells that forms transmembrane pores in target cells- **Perforins**
- * Autoimmune disease in which Ig's are formed against Ach receptors- **Myasthenia gravis**
- * World's first veterinary school in - **1762, Lyons, Paris**
- * The dog breed that has genetic predisposition for skin tumor- **Boxer**
- * **Gavard's muscle** is the synonym of -**Int.obl. muscle layer of stomach.**
- * Ventral bending (**concave**) of the spinal column is called- **Lordosis**
- * **A and M antigens are absent in- *B.canis* & *B.ovis***
- * **Foothill abortion / BEA in cattle** is caused by- ***Chlamydophila psittaci***
- * The antibacterial system naturally present in milk is- **Lactoperoxidase system**
- * **'Marsupialization' in bitches** is done usually to treat- **Pyometra**
- * Dose of Ivermectin is – **200 micrograms/Kg body weight**
- * The breed of cattle which has **strong predisposition for Eye Cancer**- **Hereford**
- * Male dog urinates like bitch in - **Cystitis**
- * **Knott test** is done to detect **Dirofilariosis** in dogs
- * Half life of IgG is - **20-21 days**
- * **Benign tumor of gingiva** is called - **Epulis**
- * The drug used to **contract gall bladder (cholecystokinetic)**- **Ceruletide**
- * The type of **paralysis** produced by the drug **piperazine** on worms is – **flaccid**
- * **'Cart wheel' shape chromatin** is seen – **Plasma cells**
- * The most abundant buffer system in plasma- **bicarbonate buffer**
- * The smallest animal cell has a diameter of – **2 microns**
- * The **Fc fragment of Ig's can be recovered** by digestion with the enzyme- **Papain**
- * Most common respiratory pathogen in canines - ***Bordetella bronchiseptica*** (**kennel cough**)

- * Rabbit ileal loop assay is commonly done for the detection of - *ET E.coli*
- * Haemo-lymphnodes are commonly seen in - Ruminants
- * Clonal selection theory of antibody production was proposed by- Burnet
- * Biphasic fever in dogs is indicative of - Canine distemper
- * Ramstedt's surgical procedure is performed to correct- Pyloric stenosis
- * The immediate precursor of thrombocytes are- Megakaryocytes
- * Rouleaux formation in blood smear is a common finding in – Felines
- * Substance required for platelet aggregation is – Thromboxane
- * The interleukin commonly referred as chemokine is - IL-8
- * Rectal pinch test is done for the diagnosis of - Johne' s disease
- * Surgical cat gut is often sterilized by- Isopropyl alcohol or ethylene oxide
- * Giant kidney worm of Dogs is - *Dioctophyme renale*
- * The sedimentation coefficient of IgG is 7S and IgM is 19S
- * Principal metabolic pathway in RBC is- Glycolysis
- * Tyzzer's disease in foals and lab animals is caused by – *Bacillus piliformis*
- * Avian spirochetosis is caused by – *Borrelia anserina*
- * Colopexy is used to treat- Recurrent rectal prolapse
- * Mouse ascites method is used to production of - Monoclonal antibodies
- * The dog breed having genetic predisposition to cardiac hypertrophy- Grey hound
- * Suture technique used for uterine stump closure- Parker kerr method
- * In humans MHC is referred to as HLA complex whereas in mice it is H-2 complex
- * 'Pape shaped' abdomen is diagnostic of – Vagus Indigestion
- * Tenesmus followed by bloody dysentery in calves is characteristic of – *Eimeria zuernii*

- * The coccidial organism commonly found in felines and canines – *Isospora* (*Eimeria* absent)
- * ‘Slime balls’ i.e., cercarial aggregation seen in- *Dicrocoelium* infection.
- * Grunt on applying pressure on xiphoid region in cattle is indicative of- TRP
- * Salmon poisoning in dogs caused by -*Neorickettsia helmintheca*
- * Antibody having least half life is - IgE
- * Genetically mutant mice lacking NK cells is called- Biege (Athymic mice-‘Nude’)
- * Salivary cyst found in sublingual duct is- *Ranula*
- * Membrane bound IgM is a - Monomer
- * Class II MHC restricted cells are- T helper cells
- * Lyme disease is caused by – Spirochete, *Borrelia burgdoeferi*, (IH- Ixodes)
- * Antidote for warfarin toxicity is – Vitamin K
- * The drug that intensifies the toxic effects of Warfarin is – Phenyl Butazone
- * The amino acid which is deficient in cats is - Taurine
- * Complement activation is predominantly mediated by - IgM
- * The compound used as gastric sedative in dogs is - Chloretone
- * The receptor for co-stimulating B7 molecules on APC is- CD28
- * Enteroplication is the surgical technique to correct- Intussusception
- * The antibody that can exist as monomer, dimer, trimer and tetramer- IgA.
- * Insulin like growth factor-I is also called as – Somatomedins
- * The diuretic with Aldosterone antagonistic action is – Spironolactone
- * The drug used to experimentally induce diabetes in dogs- Alloxan
- * Allopurinol is the drug of choice for the treatment of – Gout
- * In passive HA, chemical used to coat antigens in RBC- Tannic acid or chromium chloride.

- * Infectious RNA molecule of low molecular weight comes under the category- [Viroids](#)
- * 'Pink eye' is caused by [Moraxella bovis](#) and 'Summer pink eye' is caused by [IBR virus](#)
- * 'Dew drop colonies' and [satellite phenomenon](#) is exhibited by- [Haemophilus](#)
- * [9R](#) is the vaccine strain of - [Salmonella Gallinarum](#)
- * [Glaucoma](#), a condition of increased intra ocular pressure is treated using- [Acetazolamide](#)
- * [Canrenone](#) is the metabolite of – [Spironolactone](#)
- * [Kanagawa reaction](#) is shown by – [Vibrio parahaemolyticum](#)
- * [SMEDI in pigs](#) is caused by – [Parvo Virus](#)
- * [White Spotted kidney](#) is a sequelae to – [Leptospirosis](#) and [E.coli](#) infections
- * [Infarcts in kidney of Swine](#) is characteristic of – [Erysipelas](#)
- * In [GI tract](#), the [antigen transport](#) is carried out by specialized cells called- ['M' cells](#)
- * Infectious protein particles causing [Scrapie](#) in sheep are called- [Prions](#)
- * The penicillin which is effective against [pseudomonas infection](#)- [Carbenicillin](#)
- * [Burton's line in gums](#) is indicative of - [Lead poisoning](#)
- * The drug that can [replace Ivermectin](#) in sensitive dogs- [Milbemycin oxime](#)
- * [Jaagsiekte](#) or 'Driving Sickness' in sheeps is caused by [Retro virus](#)
- * [Jaagsiekte](#) is [Pulmonary adenomatosis](#) and [Visna-Maedi \(Retro\)](#) is [Progressive pneumonia](#)
- * [Farmer's Lung in cattle](#) is caused by - [Micropolyspora faeni](#)
- * The virus having a [unique double capsid](#)- [Reovirus](#)
- * Viral etiology of neoplasms were first reported by- [Ellerman and Bang](#)
- * The group specific antigen of [ALV](#) which is commonly used for [COFAL test](#) is -[p27](#)
- * [Recombinant DNA technology](#) was first developed by- [Cohen and Boyer](#)
- * [Ephemeral fever \(3 day sickness\)](#) is caused by - [Rhabdovirus](#)

- * Facial Eczema in cattle is caused by *Pithomyces chartarum* (fungus with toxin sporidesmin)
- * Gall Sickness is the synonym for- Anaplasmosis
- * Antigenic variation in avian influenza virus is largely due to- Genetic Shift
- * MAB technique for producing monoclonal Ig's was devised by- Kohler and Milstein
- * Bence Jones proteins (light chains of Ig) are present in urine in -Multiple myeloma
- * Rose-Waaler test is used for the detection of -Rheumatoid factor (IgM)
- * The dose of Heparin used as an anticoagulant is- 10-20 IU/ml
- * The media used to select the myeloma cells in MAB technique is- HAT medium
- * The site present in an antibody to which an antigen binds is called- Paratope
- * The vector for Reoviral Blue tongue in sheeps is- *Culicoides spp*
- * 'Pizzle rot' (Ovine Posthitis) in sheeps is caused by- *Corynebacterium renale*
- * 'Gid', 'Sturdy' or 'Staggers' is caused by-*Coenurus cerebralis* (T. multiceps)
- * The most commonly used serological test ELISA was developed by- Engvall and Perlman
- * The gene for virulence in ND virus and AI virus are- Fusion gene and HA gene (respectively)
- * 'Tigroid' heart in calves is characteristic of- FMD
- * Vascularization of Cornea is known as - Pannus
- * The lesion in eyes of horses due to leptospiral infection - Periodic Ophthalmia
- * Blue eye is the synonym for- Infectious Canine Hepatitis (adenovirus)
- * 'Hot Spot' (pyotraumatic dermatitis) is caused by- *Staphylococcus aureus* & *S. intermedius*.
- * The interleukin often referred to as B cell growth factor is- IL-6
- * FMD virus belongs to the genus- *Aphthovirus*
- * 'Dropped Sole' in horses is a condition due to- Chronic Laminitis
- * Feline pan leucopenia is caused by- Parvo virus

- * Avian Influenza is caused by Influenza A virus of the family- *Orthomyxoviridae*
- * The principal source of Interferon-beta is - Fibroblasts
- * SAT-1, 2 and 3 are types of FMDV originated from- Africa
- * The interleukin responsible for class switching of IgM to IgG is - IL-4
- * The animal species that serves as mixing vessel for Avian and Mammalian flu is – Pig
- * Disinfectant of choice against Anthrax bacilli- Gluteraldehyde (2%)
- * HVT, the vaccine strain used against MDV (serotype I) belongs to- serotype III
- * In birds, *Avulavirus* is the causative agent of - Newcastle disease
- * The cell surface marker of memory T cells is- CD45RO
- * In ALV infection, the tumor development is due to activation of oncogene called- c-myc
- * Disinfectant of choice against FMD virus- Sodium Carbonate (4%)
- * ‘Staphylorrhaphy’ and ‘Uranoplasty’ are techniques used to correct- Cleft palate
- * ‘Negri bodies’ for diagnosis of rabies can be detected using- Seller' s stain
- * Malignant tumor of mesenchymal cells is referred as - Sarcoma

Courtesy:

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