

## 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- [Johnes' Disease](#)
- \* Oestrogenic mycotoxin causing reproductive disorders in swine is- [Zearalenone](#)
- \* 'Blue eye' or Rubarth'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 - [Trichloroethanol](#)
- \* 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](#)
- \* Lamsiekte in cattle and sheep is caused by - [Cl.botulinum type D](#).
- \* Vaccine strain of B.anthraxis is - [Aviulent 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 pencillinase resistant pencillins- [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 dipicholinate](#)

- \* 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 lesions 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](#)
- \* Teichoic 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’ ie., 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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