



المفردات المقررة في الامتحان التنافسي للمتقدمين للماجستير  
الإختصاص: ماجستير | تشخيصات مرضية بيطرية

## I. Clinical Pathology:

- **Clinical Hematology:** Erythrocytes, Leukocytes, Bone Marrow, Hemostasis and Coagulation of Blood.
- **Clinical Chemistry:** Basic Procedures, Clinical Enzymology, Biochemical Profiling.
- **Liver and Kidney Functions.**
- **Water, Electrolytes, and Acid-Base Balance.**
- **Clinical Immunology.**
- **Clinical Microbiology.**
- **Examinations for Parasites:** GIT, Blood, External parasites.

## II. Infectious Diseases:

### A. Bacterial diseases

- **Clostridial Diseases:**  
Enterotoxemia, Tetanus, Botulism, Bacillary hemoglobinuria, Black leg, Black disease, Braxy, Big head
- **Diseases affected Equine:**  
Glanders, Strangles, Epizootic lymphangitis, Ulcerative lymphangitis
- **Diseases of Alimentary Tract:**  
Colibacillosis, Salmonellosis, Johne's disease, Oral & laryngeal necrobacillosis, Actinomycosis & Actinobacillosis.
- **Multi-organ diseases:**  
Anthrax, Tuberculosis, Hemorrhagic septicemia (and Pasteurellosis)
- **Miscellaneous:**  
Brucellosis, Enzootic abortion in sheep, Listeriosis, Leptospirosis, Contagious bovine pleuropneumonia, Contagious caprine pleuropneumonia, Hemophilus and Moraxella, Contagious bovine pyelonephritis, Pneumonic Pasteurellosis of Cattle, Mastitis, Foot rot, Caseous lymphadenitis of sheep

### B. Viral diseases

- **Gastrointestinal Signs:**  
Food and Mouth Disease, Rinderpest and PPR, Bovine viral diarrhea, Malignant catarrhal Fever, Blue Tongue, Bovine Papular Stomatitis, Viral diarrhea of newborn, Winter dysentery.
- **Respiratory Signs:**  
Equine Viral Rhinopneumonitis, Equine Viral Arteritis, Equine Influenza, Viral Pneumonia, Infectious Bovine Rhinotracheitis.
- **Nervous Signs:**  
Viral Encephalomyelitis, Rabies, Eastern and Western Viral Encephalomyelitis in horse, Border disease.
- **Skin:**  
Contagious Ecthyma, Cow Pox and Pseudocow Pox, Sheep Pox, Lumpy skin disease, Papillomatosis (Warts).
- **Miscellaneous:**  
Equine Infectious Anemia, African Horse Sickness, Bovine Ephemeral Fever, Rift Valley Fever, Akabane Virus Disease, Bovine Viral Leukosis.

## C. Parasitic, Fungal, and Prions Diseases

- **Blood Protozoa:** Babesiosis, Anaplasmosis, Theileriosis, Trypanosomiasis, Hemoplasmosis.
- **Parasitic Diseases:** Toxoplasmosis, Intestinal protozoa, Intestinal helminths, Ectoparasites.
- **Fungal Diseases:** Ring worm, Aspergilosis.
- **Diseases caused by Prions:** Bovine spongiform encephalopathy, Scrapie.

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## References:

- **For Clinical Pathology:**
  - Coles, E. H. (1986). Veterinary clinical pathology. 4<sup>th</sup> ed., WB Saunders Co Philadelphia, London, Toronto.
- **For Infectious Diseases:**
  - Constable PD, Hinchcliff KW, Done SH, et al. (2017). Veterinary Medicine: A Textbook of the Diseases of Cattle, Horses, Sheep, Pigs, and Goats. 11th ed. Elsevier, St. Louis, Missouri, USA.
  - or
  - Radostits OM, Clive CG, Hinchcliff KW, Constable PD (2007). Veterinary Medicine: A Textbook of the Diseases of Cattle, Horses, Sheep, Pigs, and Goats. 10th ed. Elsevier, St. Louis, Missouri, USA.

مع تمنياتنا للجميع بالموفقية والنجاح