



جامعة الموصل - كلية الطب البيطري



مفردات الامتحان التنافسي للتقديم الى الدراسات العليا دكتوراه تشخيصات مرضية بيطرية لسنة ٢٠٢٥-٢٠٢٦

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| 1 | Fundamentals of Veterinary Diagnostic Pathology |
| * | Definition of Diagnostic pathology and its objectives in veterinary medicine. |
| * | Analysis of pathogenic mechanisms and their effects on animal health. |
| 2 | Microbiology |
| * | Identification of different types of pathogenic microorganisms (bacteria, fungi, viruses). |
| * | Techniques for isolation and identification of viruses and bacteria in the laboratory. |
| 3 | Veterinary Immunology |
| * | Mechanisms of the immune system in animals and how it interacts with pathogens. |
| * | Principles and techniques of vaccination. |
| 4 | Diagnosis of Parasitic Diseases |
| * | Classification and diagnosis of internal and external parasitic diseases. |
| * | Modern methods of examination and identification of parasites. |
| 5 | Gastrointestinal Diseases |
| * | Analysis of common diseases of the digestive system and how to diagnose them. |
| * | The importance of feces as a diagnostic sample. |
| 6 | Respiratory Diseases |
| * | Evaluation of the diagnosis of common respiratory diseases and the techniques used in their diagnosis. |
| * | The relationship between respiratory diseases and poultry and cattle diseases. |
| 7 | Blood Disorders |
| * | Understanding laboratory blood testing and its importance in diagnosis. |
| * | Identification of types of anemia and their causes in animals. |
| 8 | Body Fluid Analysis |
| * | Methods for collecting and analyzing cerebrospinal fluid and ruminal fluids. |
| * | The importance of fluid test results in disease determination. |
| 9 | Veterinary clinical biochemistry |
| * | Renal Physiology and Anatomy, Clinical Diagnostics, and Disease |
| * | Liver Physiology and Anatomy, Clinical Diagnostics, and Disease |
| * | Pancreatic and Gastrointestinal Physiology and Anatomy, Clinical Diagnostics, and Disease |
| * | Electrolyte Physiology, Function, and Derangement . |
| * | Components of the Urinalysis . |
| * | Evaluating the Urinalysis with Disease Conditions . |
| * | Adrenal Function and Testing. |
| * | Acute phase protein and other anti-inflammatory mediators (cytokines). |



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Reference Books on Clinical Pathology

1. Mary Anna Thrall, Glade Weiser, Robin W. Allison, Terry W. Campbell May 2022 Veterinary Hematology, Clinical Chemistry, and Cytology, 3rd Edition
2. Steven L. Stockham, Michael A. Scott November 2024 Fundamentals of Veterinary Clinical Pathology, Third Edition.