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A PRACTICAL MANUAL ON VETERINARY MEDICINE

Diagnosis of animal diseases involves physical examination, laboratory investigation of biological samples at pro rata basis with the standard value at the onset of disease and after therapy along with advanced diagnostic imaging tools and techniques. Proper collection and preservation of biological materials (blood, urine, faeces, milk, rumen fluid, synovial fluid, CSF) is utmost importance in any clinical investigation. Efforts have been made to describe livestock diseases and disorders in a systematic and comprehensive manner. Successful treatment involves disease specific therapy along with symptomatic and supportive measures on a case to case basis. For successful implementation of animal disease therapy, physician requires either single or combination of these methods. Different diagnostic techniques with methods and interpretations have been endorsed in accordance with revised VCI guidelines for the veterinary students, especially of clinical interest.

Key features of the book:

All chapters have been illustrated with facts, figure, flow chart, tables, wherever appropriate for easy understanding of the readers; Basic principle, mechanism and maintenance of BSL-2 level laboratory equipments with standard operating procedures has been elaborated. Prime as well as updated information about animal disease diagnosis and therapy will assist UG and PG students as well as practicing veterinarians and academicians.

D. B. Mondal • Raguvaran R • K. Mahendran

(Contents)

- Good Laboratory Practices (GLP)
- Common Laboratory Instruments and its Uses
- Collection Sites of Biological Samples & its Processing
- Techniques for Examination of Body System
- Biological Samples for Disease Diagnosis
- Diagnosis of Production Diseases & Mineral Deficiencies
- Clinical Management of Fluid and Electrolyte Imbalance
- Body Function Tests
- Routine Blood Biochemical Tests for Disease Diagnosis
- Estimation of Minerals
- Immunological / Hormonal / Enzymological Tests
- Microscopic Examination
- Routine Examination of Blood
- Development of Modern Clinic
- Advanced Diagnostic Tool
- Emergency and Critical Care Therapy

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