

**Veterinary Doctor, Medical Assistant General Studies Syllabus**

- Current Affairs – Regional, National and International importance in Politics, Economy, Society, Science, Technology, Arts, Sports, Culture and Governance.
- General Science and its applications to the day to day life
- History, Economy, Geography and Polity of India
- Basic English
- Reasoning and Analytical Ability
- Fundamentals of Computers

**Veterinary Doctor Technical Syllabus**

- Unit – I: General
- Unit – II: Veterinary Anatomy, Physiology And Biochemistry
- Unit-III: Animal Genetics And Breeding
- Unit-IV: Livestock And Poultry Management And Nutrition
- Unit-V: Livestock Products Technology
- Unit-VI: Veterinary Microbiology, Pathology, Parasitology And Pharmacology & Toxicology
- Unit-VII: Veterinary Epidemiology & Public Health And Medicine
- Unit-VIII: Veterinary Gynaecology & Obstetrics And Veterinary Surgery And Radiology
- Unit-IX: Veterinary Extension And Animal Husbandry

**Para Medical Assistant Technical Syllabus**

- Basic anatomy of livestock with particular reference to the bones and joints.
- Basic physiology of various systems of livestock, viz., digestive, respiratory, uro-genital, cardiovascular, nervous system etc.
- Livestock farm management; various livestock farms, management of newborn calf, kid etc.,
- management of dairy cattle, their feeding and breeding.
- Poultry and hatchery management
- Livestock feeding; various pastures and grasses used for livestock feed. Nutritional requirements for livestock of different ages and different physiological states.
- Management of meat animals such as, sheep, goat, swine etc., meat production and handling
- Laboratory diagnosis; blood collection and examination for various hemoproteoza,
- examination of different diagnostic samples viz., milk, urine, feces, serum, skin etc.
- Collection and processing of infectious material and culturing techniques for different bacteria
- and fungi
- Basics in pet and companion animal management

## **Regional Centre for Urban and Environmental Studies(RCUES), Hyderabad**

- Various infectious diseases viz., bacterial, viral, fungal, parasitic diseases in livestock, their
- etiology, signs, diagnosis, management and control measures
- Various non-infectious diseases viz., diseases of digestive, respiratory, urinary, genital,
- cardiovascular, integumentary and nervous systems in livestock, their causes, signs, diagnosis
- and management
- Diseases of female reproductive system of cattle, artificial insemination technique
- Basics of veterinary pharmacy; various pharmacological terms, routes of administration of
- drugs, classification of drugs used in veterinary practice.
- Various vaccines used in livestock, vaccination schedule in livestock and poultry.
- General fundamentals of veterinary surgery.