

VETENARY COURSES:-



DURATION -2 YEARS, ELIGIBILITY-12 PASS

General Veterinary Assistant Surgeon Syllabus

The role of livestock and their products in the Indian economy and human health.

- Current livestock programs & the policies of state and Nation.
- The constraints to the livestock development programs.

Veterinary Medicine Topics Animal welfare and ethics.

- Diagnosis and treatment of various clinical manifestations of animals.
- Laws relating to offenses affecting public health
- Common offenses against animals, SPCA.
- Animal Welfare Board of India, NGOs.



Animal Breeding and Genetics Syllabus

- Principles of genetics.
- Nature of DNA and RNA-their models and functions.
- The applications of recombinant DNA technology.
- Breeding of essential species of zoo/wild animals.
- Breeding livestock for high performance and disease resistance.

Veterinary Anatomy, Physiology, and Biochemistry

- The mechanism of respiration.
- Gross study of bones, joints, muscles of a skeleton.
- Environmental factors affecting animal production

- General functions of blood and its constituents.
- Hormonal control of Lactogenesis.

Veterinary Extension and Animal Husbandry

- Communication technologies.
- Marketing, Livestock economics, and business management.
- Livestock farming systems in rural India.
- Livestock contribution to the national economy.
- Improved A.H. practices-rural upliftment.

Animal Nutrition Topics

- Antinutritional factors and toxins in feeds and fodders.
- Nutritional terms and definitions.
- Classification and composition of feeds and fodders including forest grasses.
- Nutritional deficiency and its influence on livestock performance.

Veterinary Microbiology, Pathology, Parasitology, and Pharmacology

- Transmission, pathogenesis, symptoms, etc.
- Serological reactions and modern diagnostic techniques.
- Organs/ tissues/ cells of the Immune system.
- Etiology, morphology, life cycle.
- Infection and immunity, the type and grades of immunity.

Veterinary Epidemiology & Public Health Syllabus

- Role of the veterinarian in public health.
- Legislation and International (OIE, WTO) national food safety standards.
- Socio-economic impact of zoonotic diseases in India.
- Environmental hygiene.
- Livestock products and by-products
- about public health.
- Control of environmental pollutants.

