General Veterinary Assistant Surgeon Syllabi

- 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

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

MPPSC 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

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● 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

● The 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.

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