



द्वितीय पत्र (Paper II) : Technical Subject

Section A– 30 Marks

1. Introduction

20%

- 1.1 History and current status of veterinary services in Nepal
- 1.2 Current status of livestock production and production systems of livestock and poultry in Nepal
- 1.3 Indigenous and exotic breeds of livestock and poultry and their population in Nepal
- 1.4 Role of public and private sector in the promotion of veterinary services in Nepal
- 1.5 Recent GoN policies and plans related to livestock development, Provisions made by APP, Livestock Master Plan, Dairy development Plan and National Dairy Development Board for Livestock sector development

2. Planning and management of veterinary/laboratory services

10%

- 2.1 Management of veterinary investigation laboratory
- 2.2 Planning and management of district veterinary services, livestock production services and livestock product marketing services
- 2.3 Herd health management and disease prevention
- 2.4 National disease control program
- 2.5 Planning and management of veterinary projects

Section B– 50 Marks

3. Animal Health management

50%

- 3.1 Etiology, diagnosis and treatment of systemic diseases of farm livestock, pets, equine and poultry
- 3.2 Definition, etiology, epidemiology, pathogenesis, symptoms, diagnosis, treatment and control of notifiable Trans-boundary animal disease
- 3.3 Definition, etiology, epidemiology, pathogenesis, symptoms, diagnosis, treatment and control of economically important infectious disease of farm livestock, pets, equine and poultry
- 3.4 Etiology, epidemiology, pathogenesis, symptoms, diagnosis, treatment and control of economically important of parasitic disease (ecto and endo parasites) of farm livestock, pets, equine and poultry
- 3.5 Zoonotic disease of public health importance
- 3.6 General control measures against parasitic and infectious diseases of animals and birds.
- 3.7 Management of production and metabolic disease of farm livestock
- 3.8 Definition, etiology, diagnosis, treatment and management of sub-fertility, infertility, sterility and abortion in farm livestock under Nepalese condition
- 3.9 Importance of breeding management, A.I, and pregnancy diagnosis in farm animals
- 3.10 Reproductive disorder and its management in farm livestock
- 3.11 Current practices and importance of epidemiological reporting, and animal health information system
- 3.12 Outbreak investigation and epidemic control
- 3.13 Laboratory diagnosis of important disease of animals and poultry
- 3.14 Prospects and constraints of vaccine production and use in Nepal
- 3.15 Veterinary drugs administration, their uses and abuses



Section C– 20 Marks

4. International standard, quality and regulation

20%

- 4.1 Slaughter house management and meat inspection principles and procedures
 - 4.2 Outline of the World Trade Organization (WTOs), Sanitary and Phytosanitary measures (SPS)
 - 4.3 Introduction to OIE (World Animal Health Organization, its objectives, function, and its role in standard setting
 - 4.4 Role of Official Veterinary Services in International Trade of animals, products of animal origin, food safety, import risk analysis, import permit, International Veterinary certifications, quarantine inspections and procedures
 - 4.5 Animal health related Acts & Regulations:
 - 4.5.1 Animal Health and Livestock Service Act and regulation
 - 4.5.2 Slaughterhouse and Meat inspection Act and regulation
 - 4.5.3 Nepal Veterinary Council Act, 2055 and regulation, 2057
 - 4.5.4 Feed Act and regulation
 - 4.5.5 Drug Act
 - 4.5.6 National Park and Wildlife Conservation Act
 - 4.5.7 Nepal Standard (Certification Mark) Act
 - 4.6 Legal Duties of a Veterinarian, Examinations of animals for soundness, injuries, and sudden death
 - 4.7 Animal welfare
 - 4.8 Detection of Frauds, Malicious poisoning
 - 4.9 Differentiation of different species of blood, serum, semen, hair, hide and bones
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