

द्वितीय पत्र :- पशु स्वास्थ्य सम्बन्धी विषय

## 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 HMG/N 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
- 4. Planning and management of veterinary/laboratory services 10%**
- 4.1 Management of veterinary investigation laboratory
  - 4.2 Planning and management of district veterinary services, livestock production services and livestock product marketing services
  - 4.3 Herd health management and disease prevention
  - 4.4 National disease control program
  - 4.5 Planning and management of veterinary projects

## Section B– 50 Marks

- 2 Animal Health management 50%**
- 2.1 Etiology, diagnosis and treatment of systemic diseases of farm livestock, pets, equine and poultry
  - 2.2 Definition, etiology, epidemiology, pathogenesis, symptoms, diagnosis, treatment and control of notifiable Trans-boundary animal disease
  - 2.3 Definition, etiology, epidemiology, pathogenesis, symptoms, diagnosis, treatment and control of economically important infectious disease of farm livestock, pets, equine and poultry
  - 2.4 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
  - 2.5 Zoonotic disease of public health importance
  - 2.6 General control measures against parasitic and infectious diseases of animals and birds.
  - 2.7 Management of production and metabolic disease of farm livestock
  - 2.8 Definition, etiology, diagnosis, treatment and management of sub-fertility, infertility, sterility and abortion in farm livestock under Nepalese condition
  - 2.9 Importance of breeding management, A.I, and pregnancy diagnosis in farm animals
  - 2.10 Reproductive disorder and its management in farm livestock
  - 2.11 Current practices and importance of epidemiological reporting, and animal health information system
  - 2.12 Outbreak investigation and epidemic control
  - 2.13 Laboratory diagnosis of important disease of animals and poultry

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नेपाल कृषि सेवा, भेटरिनरी समूह, राजपत्राङ्कित तृतीय श्रेणीका पदहरूको खुला र आन्तरिक प्रतियोगितात्मक  
लिखित परीक्षाको पाठ्यक्रम

- 2.14 Prospects and constrains of vaccine production and use in Nepal  
2.15 Veterinary drugs administration, their uses and abuses

### Section C– 20 Marks

- 3. International standard, quality and regulation 20%**
- 3.1 Slaughter house management and meat inspection principles and procedures  
3.2 Out line of the World Trade Organization (WTOs), Sanitary and Phytosanitary measures (SPS)  
3.3 Introduction to OIE (World Animal Health Organization, its objectives, function, and its role in standard setting  
3.4 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  
3.5 Animal health related Acts & Regulations:  
3.5.1 Animal Health and Livestock Service Act, 2055 and regulation, 2056  
3.5.2 Slaughterhouse and Meat inspection Act, 2055 and regulation, 2057  
3.5.3 Nepal Veterinary Council Act, 2055 and regulation, 2057  
3.5.4 Feed Act, 2033 and regulation, 2051  
3.5.5 Drug Act, 2035  
3.5.6 Muluki Ain, 2019 (Concerning Provisions only)  
3.5.7 National Park and Wildlife Conservation Act, 2029  
3.5.8 Nepal Standard (Certification Mark) Act, 2037  
3.6 Legal Duties of a Veterinarian, Examinations of animals for soundness, injuries, and sudden death  
3.7 Animal welfare  
3.8 Detection of Frauds, Malicious poisoning  
3.9 Differentiation of different species of blood, serum, semen, hair, hide and bones

द्वितीयपत्रका पाठ्यक्रमका एकाईहरूबाट सोधिने प्रश्नहरूको संख्या निम्नानुसार हुनेछ :

| द्वितीय पत्रका खण्ड | A |   | B | C |
|---------------------|---|---|---|---|
| द्वितीय पत्र        | 1 | 4 | 2 | 3 |
| प्रश्न संख्या       | 2 | 1 | 5 | 2 |

#### विषयगत नमूना प्रश्नहरू (Sample questions)

- Q.1 What are the advantages and disadvantages of privatization of veterinary services in Nepal? How could veterinary services be privatized in Nepalese condition?  
Q.2 Describe the etiology, epidemiology and control strategy of foot and mouth disease (FMD) in farm livestock in Nepal.  
Q.3 Describe the epidemiology, clinical effects and control strategy of one of the economically important parasitic disease of farm livestock in Nepal.  
Q.4 Describe the composition, role and duties of World Animal Health organization (OIE).  
Q.5 Design the project for the control of an infectious disease of farm livestock in your district