

प्रदेश लोक सेवा आयोग

सुदूरपश्चिम प्रदेश

प्रदेश निजामती सेवा र स्थानीय सरकारी सेवा अन्तरगत कृषि सेवा, भेटेरिनरी समूह, अधिकृत सातौं तह वा सो सरह पदको आन्तरिक, अन्तर तह र खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

यस पाठ्यक्रम योजनालाई निम्न अनुसार दुई चरणमा विभाजन गरिएको छ :

प्रथम चरण : लिखित परीक्षा(Written Examination)

पूर्णांक : २००

द्वितीय चरण : (क) सामूहिक परीक्षण(Group Test)

पूर्णांक : १०

(ख) अन्तरवार्ता(Interview)

पूर्णांक : २५

परीक्षा योजना (Examination Scheme)

प्रथम चरण : लिखित परीक्षा(Written Examination)

पूर्णांक : २००

पत्र	विषय	खण्ड	पूर्णांक	उतीर्णांक	परीक्षा प्रणाली		प्रश्न संख्या × अंक	समय
प्रथम	सामान्य विषयवस्तु (General Subject)	Part I : General Awareness and General Ability Test	१००	४०	वस्तुगत (Objective)	बहुवैकल्पिक प्रश्नहरू (MCQs)	५० प्रश्न x १ अंक	१ घण्टा ३० मिनेट
		Part II : General Technical Subject					५० प्रश्न x १ अंक	
द्वितीय	प्राविधिक विषयवस्तु (Technical Subject)		१००	४०	विषयगत (Subjective)	छोटो उत्तर लामो उत्तर	४ प्रश्न x ५ अंक ८ प्रश्न x १० अंक	३ घण्टा

द्वितीय चरण : सामूहिक परीक्षण(Group Test) र अन्तरवार्ता (Interview)

पूर्णांक : ३५

पत्र/विषय	पूर्णांक	उतीर्णांक	परीक्षा प्रणाली	समय
सामूहिक परीक्षण (Group Test)	१०	-	सामूहिक छलफल (Group Discussion)	३० मिनेट
अन्तरवार्ता (Interview)	२५	-	बोर्ड अन्तरवार्ता (Board Interview)	-

द्रष्टव्य :

- लिखित परीक्षाको माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अंग्रेजी दुबै हुनेछ ।
- प्रथम र द्वितीय पत्रको लिखित परीक्षा छुट्टाछुट्टै हुनेछ ।
- वस्तुगत बहुवैकल्पिक प्रश्नहरू (Multiple Choice Questions) को गलत उत्तर दिएमा बापत २० प्रतिशत अंक कट्टा गरिनेछ । तर उत्तर नदिएमा त्यस बापत अंक दिइने छैन र अंक कट्टा पनि गरिने छैन ।
- बहुवैकल्पिक प्रश्नहरू हुने परीक्षामा कुनै प्रकारको क्याल्कुलेटर (Calculator) प्रयोग गर्न पाइने छैन ।
- विषयगत प्रश्नहरूको हकमा तोकिएको अंकको एउटा लामो प्रश्न वा एउटै प्रश्नका दुई वा दुई भन्दा बढी भागहरू (Two or more parts of a single question) वा एउटा प्रश्न अन्तर्गत दुई वा बढी टिप्पणीहरू (Short notes) सोध्न सकिने छ ।
- द्वितीय पत्रमा प्रत्येक खण्डका लागि छुट्टाछुट्टै उत्तर पुस्तिकाहरू हुनेछन । परीक्षार्थीले प्रत्येक खण्डका प्रश्नहरूको उत्तर सोही खण्डको उत्तर पुस्तिकामा लेख्नु पर्नेछ ।
- यस पाठ्यक्रम योजना अन्तर्गतका पत्र/विषयका विषयवस्तुमा जेसुकै लेखिएको भए तापनि पाठ्यक्रममा परेका कानून (ऐन, नियम) तथा नीतिहरू परीक्षाको मिति भन्दा ३ महिना अगाडि संशोधन भएका वा संशोधन भई हटाईएका वा थप गरी संशोधन भई कायम रहेकालाई यस पाठ्यक्रममा परेको सम्झनु पर्दछ ।
- प्रथम चरणको परीक्षा बाट छनौट भएका उम्मेदवारहरूलाई मात्र द्वितीय चरणको परीक्षामा सम्मिलित गराइनेछ ।
- पाठ्यक्रम लागु मिति : २०८०।१०।१९ गते देखि ।

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आन्तरिक, अन्तर तह र खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम
प्रथम चरण : लिखित परीक्षा (Written Examination)

प्रथम पत्र (First Paper): सामान्य विषयवस्तु (General Subject)

Part (I): General Awareness and General Ability Test- (50 Marls)

- 1. The Constitution of Nepal and Animal Health Related Acts and Regulations [15 Marks]**
- 1.1 The Constitution of Nepal, 2072 (from part 1 to 5 & Schedules)
 - 1.2 Civil Servant Adjustment Act, 2075
 - 1.3 Public Procurement Act, 2063
 - 1.4 Sudurpashchim Pradesh Agriculture & Livestock Business Promotion Act, 2076 & its Regulation, 2079
 - 1.5 Sudurpashchim Pradesh Public Procurement Regulation, 2078
 - 1.6 Sudurpashchim Pradesh Financial Directives Regulation, 2076
 - 1.7 Sudurpashchim Pradesh Cooperative Act, 2075 & Regulation, 2076
 - 1.8 Right to Information Act, 2064 & Regulation, 2065
 - 1.9 Sudurpashchim Pradesh Good Governance Act, 2075
 - 1.10 Sudurpashchim Pradesh Civil Service Act, 2079
 - 1.11 Local Government Operation Act, 2074
 - 1.12 Food Security & Food Sovereignty Act, 2075
 - 1.13 Sudurpashchim Pradesh Agriculture Development Strategy (2079/80-2093/94)
 - 1.14 Environment Protection Act, 2076
 - 1.15 Sudurpashchim Pradesh Dairy Development Board Act, 2077
 - 1.16 Animal Health and Livestock Service Act, 2055 And Regulation, 2056
 - 1.17 Animal Slaughter house and Meat Inspection Act, 2055 and Regulation, 2057
 - 1.18 Nepal Veterinary Council Act, 2055 and Regulation, 2057
 - 1.19 Feed Act, 2033 and its Regulation
 - 1.20 Drug Act, 2035
 - 1.21 National Park and Wildlife Conservation Act
 - 1.22 Nepal Standard (Certification Mark) Act
 - 1.23 Sudurpashchim Pradesh Livestock Development & Animal Health Service Act, 2078
 - 1.24 Bird Flu Control Regulations & Compensation Standard
 - 1.25 Animal Transportation Standard, 2064
 - 1.26 One Health Strategy, 2076
 - 1.27 Animal welfare Directives, 2073
- 2. General Awareness and Contemporary Issues [15 Marks]**
- 2.1 Physical, socio-cultural and economic geography and demography of Sudurpashchim province and Nepal
 - 2.2 Major natural resources of Sudurpashchim province & Nepal
 - 2.3 Geographical diversity, climatic condition, livelihood and lifestyle of people of Sudurpashchim province and Nepal
 - 2.4 Current periodical plan of Nepal and Sudurpashchim Province
 - 2.5 Information on sustainable development, environment, pollution, climate change, biodiversity, science and technology
 - 2.6 Nepal's international affairs and general information on the UNO, SAARC, WTO, WOA, WHO and BIMSTEC

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- 2.7 Governance system and Governments (Federal, Provincial and Local)
- 2.8 Functional scope of public services
- 2.9 Public service charter
- 2.10 Concept, objective and importance of public policy
- 2.11 Fundamental of management: Planning, organizing, directing, controlling, coordinating, decision making, motivation and leadership
- 2.12 Government planning, budgeting and accounting system
- 2.13 Livestock Disaster Management system
- 2.14 Major events and current affairs of national and international importance

3. General Ability Test

[20 Marks]

3.1 Verbal Ability Test

Jumble words, series, Analogy, Classification, Coding-Decoding, Matrix, Ranking Order Test, Direction and Distance sense Test, common sense Test, Logical Reasoning, Assertion and Reason, statement and conclusions

3.2 Numerical Ability Test

Series, Analogy, Classification, Coding, Arithmetical reasoning/operation, Percentage, Ratio, Average, Loss and Profit, Time and Work, Data interpretation and Data verification

3.3 Nonverbal/ Abstract ability Test

Figure series, figure analogy, figure classification, figure matrix, pattern completion/finding analytical reasoning test, figure formation and analysis, rule detection, water image, mirror image, cubes and dice, Venn diagram

Part (II): General Technical Subject

4. Introduction

[5 Marks]

- 4.1 History and current status of veterinary services in Nepal
- 4.2 Current status of livestock production and production systems of livestock and poultry in Nepal
- 4.3 Indigenous and exotic breeds of livestock and poultry and their population in Nepal
- 4.4 Role of public and private sector in the promotion of veterinary services in Nepal
- 4.5 Recent Government policies and plans related to livestock development in Sudurpaschim Province
- 4.6 Provisions made by ADS, PADS of Sudurpashchim

5. Clinical Subjects

[20 Marks]

5.1 Veterinary Medicine

- 5.1.1 Distinguish between health and disease, General clinical examinations of animals, Normal physiological values like body temperature, rectal temperature, heart rates, respiratory rates, urinary volume and fecal output of different species of animals
- 5.1.2 Systemic disease: Etiology, diagnosis and treatment of: Disease of Blood, lymphatic and cardiovascular system, disease of digestive system, Common disease of eye and ear, disease of endocrine system, disease of nervous system, disease of reproductive and urinary system, disease of respiratory system, disease of skin
- 5.1.3 Metabolic and production diseases
- 5.1.4 Nutritional deficiency disease

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- 5.1.5** Trans-boundary animal diseases (TADs): Definition, etiology, epidemiology, transmission, pathogenesis, symptoms, diagnosis, treatment, control and prevention of the following TADs: FMD, RP, PPR, CBPP, CCPP, Sheep pox and Goat pox, Blue tongue, Classical swine fever, Highly Pathogenic Avian Influenza, New castle disease
- 5.1.6** Other Infectious disease: Definition, etiology, epidemiology, transmission, pathogenesis, symptoms, diagnosis, treatment, control of the following infectious disease: HS, BQ, Malignant edema, Tetanus, Anthrax, Tuberculosis, Paratuberculosis, Actinomyces, Actinobacillosis, Brucellosis, Listeriosis, Leptospirosis, Mastitis, Strangles, Glanders, Degnala disease, Salmonellosis, Mycoplasmosis, Mad cow disease, Rabies, Scrapie, Canine distemper, Lumpy Skin Diseases, African Swine Fever,
- 5.1.7** Etiology, epidemiology, transmission, pathogenesis, symptoms, diagnosis, treatment, and control of the common disease caused by chlymedia, Ricktesia and Fungi in different species of animals
- 5.1.8** Disease of Poultry: Definition, etiology, epidemiology, transmission, pathogenesis, symptoms, diagnosis, treatment, control of the following poultry disease: Fowl pox, Fowl Typhoid, BWD, CRD, Infectious bursal disease, Infectious bronchitis, Marek's disease, Avian leucosis complex, Egg drop syndrome, Litchy heart disease, Fowl cholera, Aflatoxicosis
- 5.1.9** Parasitic diseases: Etiology, epidemiology, transmission, pathogenesis, symptoms, diagnosis, treatment, control of the following parasitic disease, Helminthic parasitic disease: LF, Paramphistomiasis, Ascariasis, G.I. Nematodiasis, Tape worm infection in different species of animals. Parasitism, General control measures of Gastro intestinal parasitism in animals. Protozoan diseases: Anaplasmosis, Babesiosis, Theileriosis, Trypanosomiasis, Toxoplasmosis, Coccidiosis, Kumri diseases in goats (Setariasis), Khari disease in Buffaloes
- 5.1.10** Diagnosis, treatment and management of different forms of poisonings and snake bite
- 5.1.11** Prospects and constrains of animal and poultry vaccine production in Nepal, their uses and abuses
- 5.2 Veterinary Surgery**
- 5.2.1** General surgical principles and procedures adopted in surgery
- 5.2.2** Pre and post operative considerations
- 5.2.3** Antiseptics and disinfectants
- 5.2.4** Sterilizations of surgical materials and instruments.
- 5.2.5** Importance of sutures and suturing materials
- 5.2.6** Inflammations; Abscess, Tumors, Cysts, Heamatoma, Hernia and their treatment
- 5.2.7** Different types of wounds and their treatment
- 5.2.8** Gangrene, Burn, Scald, Frost bite and their treatment
- 5.2.9** Fractures and dislocations, their diagnosis and treatment
- 5.2.10** Special surgery, Caesarian section, Rumenotomy, Ovario-histerectomy, Stringhalt, Spaying and Neutering
- 5.2.11** Different types of local, regional and general anesthetic procedure

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5.3 Veterinary Obstetrics and Gynecology

- 5.3.1 Normal reproductive cycle of different farm animals and dogs.
- 5.3.2 Breeding soundness examination of bull
- 5.3.3 Detection of heat
- 5.3.4 Artificial insemination
- 5.3.5 Pregnancy diagnosis
- 5.3.6 Embryo transfer
- 5.3.7 Concept of infertility and sterility
- 5.3.8 Diagnosis and treatment of silent estrus, an-estrus, repeat breeders metritis, endometritis and pyometra
- 5.3.9 Dystocia and its correction
- 5.3.10 Prolapse of uterus, bladder and vagina
- 5.3.11 Use of hormones and prostaglandins
- 5.3.12 Infectious diseases causing abortions

5.4 Epidemiology and Veterinary Public Health

- 5.4.1 Definition, aim, objectives and application of epidemiology
- 5.4.2 Epidemiological concept of disease control
- 5.4.3 Surveillance and monitoring of disease
- 5.4.4 Different types of epidemiological studies
- 5.4.5 Outbreak investigation, prevalence rate, incidence rate, mortality, morbidity, case fatality and difference between them
- 5.4.6 Prevalence rate, incidence rate and difference between them
- 5.4.7 Characteristics of host factor, agent factor and environmental factor
- 5.4.8 Different terminology used in epidemiology
- 5.4.9 Epidemiological reporting system in Nepal
- 5.4.10 Cost analysis of the disease control programs
- 5.4.11 Disease Risk analysis and management
- 5.4.12 Definition and objectives of VPH
- 5.4.13 Different roles of VPH (Animal production, food hygiene and environmental protection)
- 5.4.14 Diagnosis, surveillance and control of various zoonotic disease
- 5.4.15 Meat inspection: anti-mortem, post-mortem and re-inspection
- 5.4.16 Different component and management of slaughterhouse
- 5.4.17 Milk hygiene
- 5.4.18 Concept of HACCP (Hazard analysis and critical control point)
- 5.4.19 Antimicrobial Use & Antimicrobial Resistance (AMU and AMR)
- 5.4.20 Concept and Importance of One Health Approach
- 5.4.21 Concept of Drug Residue in livestock products

5.5 Veterinary Extension

- 5.5.1 Definition, philosophy and principles of extension education
- 5.5.2 Classification of extension teaching methods and technology transfer, extension approach
- 5.5.3 Public private partnership
- 5.5.4 Social Mobilization (CBOs, NGOs, and INGOs)

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5.6 Clinical Pathology and Parasitology

- 5.6.1 Materials to be sent to laboratory for different disease diagnosis
- 5.6.2 Hematological examinations (TC, DC, ESR, PCV, RBC count, Blood smears, hemoglobin estimation)
- 5.6.3 Blood chemistry (estimation of blood glucose, serum and calcium)
- 5.6.4 Liver and kidney functions tests
- 5.6.5 Urine analysis (Routine test, test for detection of protein, Glucose, Ketone bodies, blood, bile pigment)
- 5.6.6 Blood and urine culture and antibiotic sensitivity tests
- 5.6.7 California mastitis tests
- 5.6.8 Important diagnostic tests: Different staining procedures, Tuberculin tests in animals, Test for pullorum disease (Rapid stained antigen), Brucellosis test (RBPT and milk ring test) Test for rabies (Negri bodies test)
- 5.6.9 Post mortem examinations
- 5.6.10 Clinical parasitology (Examination of feces: direct smear method, concentration method and Flootation method)
- 5.6.11 Examination of skin scrapping
- 5.6.12 Bacterial, Viral and Fungal serological techniques
- 5.6.13 ELISA, FAT, PCR, Recombinant DNA technology

6. Para-Clinical Subjects

[10 Marks]

6.1 Veterinary Microbiology

- 6.1.1 General characteristics, properties, morphology, metabolism, growth and reproduction of bacteria, virus and fungus of various classes
- 6.1.2 Bacterial genetics, mutation and variations associated with virulence
- 6.1.3 Antigenicity, drug resistance
- 6.1.4 Principles of antiseptics, sterilization and disinfection
- 6.1.5 Resistance and immunity, antigen-antibody reaction and methods of detection Cell mediated and humoral immunity and immune mechanism. Immune system and its development. Antigen-antibody reactions
- 6.1.6 Immunization of animals
- 6.1.7 Hypersensitivity-allergy
- 6.1.8 Bacteriophage, their description and application
- 6.1.9 Laboratory techniques for bacterial, viral, fungal culture and identification
- 6.1.10 Important diseases of domesticated animals caused by bacteria, viruses, rickettsia, chlamydia and fungi

6.2 Veterinary Parasitology

- 6.2.1 Parasites and Parasitism, Types of parasitism, host-parasite relationship
- 6.2.2 Importance of immunity against parasitic diseases
- 6.2.3 Classification and nomenclature of parasites and characteristics of different classes of parasites
- 6.2.4 Antiparasitic and anthelmintic medication, their use and abuse. Anthelmintic resistance

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- 6.2.5 General description, classification, morphological characteristics and diseases caused by helminths, arthropods, insects and arachnida of domesticated animals and birds and their epidemiology, effects and methods of controlling them
- 6.2.6 Protozoon parasites of domesticated animals and birds, their classification, morphology and the diseases caused by them with epidemiology, effects and control strategies
- 6.2.7 Identification of different parasites and the methods of their culture and laboratory growth

6.3 Veterinary Pathology

- 6.3.1 Pathological responses of body to infection
- 6.3.2 Inflammation, classification and changes in inflammatory responses
- 6.3.3 Pathological disturbances and responses in circulatory system, cell metabolism, pigment metabolism
- 6.3.4 Disturbances in growth, Neoplasm and cancer
- 6.3.5 Healing, fever
- 6.3.6 Uroliths, choleliths, sialoliths, pancreoliths, enteroliths
- 6.3.7 Immune reactions. Hypersensitivity and auto immunity
- 6.3.8 Pathology of diseases of cardiovascular system, hemopoitic system, respiratory system, digestive system, urinary system, genital system, nervous system, endocrine system, sense organs and musculoskeletal system of domesticated animals and birds
- 6.3.9 Pathological changes in diseases caused by bacteria, viruses, fungus and parasites of domesticated animals and birds

6.4 Veterinary Pharmacology and Toxicology

- 6.4.1 Principles of drug activity, pharmacokinetics and pharmacodynamics of the drugs acting on central nervous system
- 6.4.2 Anesthetics, hypnotics, sedatives, tranquilizers, analgesics, analeptics, antipyretics, histamines and antihistamines
- 6.4.3 Anaesthetics, Neuromuscular blocking agents, Peripheral and Central muscle relaxants
- 6.4.4 Drugs acting on autonomic nervous system, neurohumoral transmission, adrenergic antagonists, cholinergic antagonists
- 6.4.5 Drugs acting on cardiovascular system, digestive system, respiratory system, urogenital system and skin and mucus membrane
- 6.4.6 Endocrine pharmacology
- 6.4.7 Vitamins
- 6.4.8 Antibacterial agents, antibiotics, antifungal agents, anthelmintics, antiprotozoal agents, antiviral and anticancer agents
- 6.4.9 Cytotoxic and immunosuppressive drugs
- 6.4.10 Hormones, prostaglandins, corticosteroids
- 6.4.11 Toxicity caused by metals and non metals, plants, commonly used drugs, agrochemicals, venomous bites and stings and environmental toxicity

7. Pre- Clinical Subjects

[10 Marks]

7.1 Veterinary Anatomy

- 7.1.1 Gross anatomy of skeletal system, muscular system, nervous system, digestive system, urogenital system, circulatory system, respiratory system, reproductive system, glandular system and sense organs of domesticated animals and poultry

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7.1.2 Introduction to cell structure, cell division and basic tissue of body. Histology of the organs of musculoskeletal, digestive, respiratory, urinary, reproductive, nervous, cardiovascular, endocrine, lymphoid, sense organs of domesticated animals and birds

7.1.3 General embryology, gametogenesis, fertilization and development of fetus and body organs in domesticated animals and birds

7.2 Veterinary Physiology

7.2.1 General function and mechanism of action of various organs of circulatory, digestive, respiratory, urinary, reproductive, nervous, sensory system, endocrine system of domesticated animals and birds

7.2.2 Composition and function of tissue fluids

7.2.3 Mechanism of respiration and gaseous exchange

7.3 Biochemistry

7.3.1 Biochemistry of respiration, renal function and acid base balance

7.3.2 Biochemistry of digestion and metabolism of carbohydrate, fat, protein, nucleic acid, minerals and trace elements Basal and energy metabolism

7.3.3 Basal and energy metabolism

7.3.4 Biochemistry of hormones and enzymes

7.3.5 Diagnostic biochemistry

7.3.6 Immunochemistry

7.3.7 Biochemistry of cellular and sub cellular components

7.3.8 Biochemistry of carbohydrate, lipids, proteins

7.3.9 Diagnostic biochemistry

7.4 Animal Nutrition

7.4.1 Animal feed classification, nutritional requirements, feeding system and feeding standards of farm animals and birds

7.4.2 Functions of various nutrients and process of digestion in ruminants, non-ruminants and birds

7.4.3 Ration formulation for farm livestock and birds

7.4.4 Use of conventional and non-conventional feeds, Anti nutritional factors in feed

7.5 Livestock Production and Management

7.5.1 Care and management of farm livestock and poultry during different production and growth stages

7.5.2 Housing system for animals and birds

7.5.3 Characteristics of different breeds of farm livestock and birds

7.5.4 System of breeding and selection in farm livestock and poultry birds

7.5.5 Dairy and poultry production

8. Regulatory Functions

[5 Marks]

8.1 Outline of the World Trade Organization (WTOs), Sanitary and Phytosanitary (SPS) measures

8.2 Technical Barrier to Trade (TBT) Trade related aspects of Intellectual Property Rights (IPRs) agreement

8.3 Introduction to WOA, its objectives, function, structure, Standard setting procedures and different standards as set in Terrestrial Animal Health Code, Aquatic Animal Health Code

प्रदेश लोक सेवा आयोग

सुदूरपश्चिम प्रदेश

प्रदेश निजामती सेवा र स्थानीय सरकारी सेवा अन्तर्गत कृषि सेवा, भेटेरिनरी समूह, अधिकृत सातौं तह वा सो सरह पदको आन्तरिक, अन्तर तह र खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

- 8.4 Different standards for Biological preparation and standard Diagnostics Tests for various disease of farm animals
- 8.5 Role of Official Veterinary Services in International Trade of animals, products of animal origin, food safety, import risk analysis, import permit, disease risk management
- 8.6 International Veterinary certifications, quarantine inspections and procedures
- 8.7 Legal Duties of a Veterinarian, Examinations of animals for soundness, injuries and sudden death.
- 8.8 Detection of Frauds, Malicious poisoning in livestock, poultry and wild animals
- 8.9 Differentiation of blood, serum, semen, hair, hide and bones of different species of livestock and poultry

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प्रदेश लोक सेवा आयोग
सुदूरपश्चिम प्रदेश
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आन्तरिक, अन्तर तह र खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम
द्वितीय पत्र (Second Paper) : प्राविधिक विषयवस्तु (Technical Subjects)

Section (A) – 20 Marks

- 1. Introduction (10 Marks)**
- 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 ADS, Sudurpashchim PADS, Dairy Development Plan and National Dairy Development Board for Livestock sector development
- 2. Planning and Management of Veterinary/Laboratory Services (10 Marks)**
- 2.1 Management of veterinary investigation laboratory, laboratory information system
 - 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 – 25 Marks

- 3. Animal Health Management (25 marks)**
- 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, Prevention and control of economically important infectious diseases of 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 Current practices and importance of epidemiological reporting, and animal health information system
 - 3.6 Outbreak investigation and epidemic control
 - 3.7 Laboratory diagnosis of important disease of animals and poultry
 - 3.8 Prospects and constrains of animal vaccine production and use in Nepal
 - 3.9 Veterinary drugs administration, their uses and abuses

प्रदेश लोक सेवा आयोग
सुदूरपश्चिम प्रदेश
प्रदेश निजामती सेवा र स्थानीय सरकारी सेवा अन्तरगत कृषि सेवा, भेटेरिनरी समूह, अधिकृत सातौं तह वा सो सरह पदको
आन्तरिक, अन्तर तह र खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

Section C– 25 Marks

4. Zoonosis, Animal Production and Diseases Management (25 Marks)

- 4.1 Zoonotic disease of public health importance
- 4.2 General control measures against parasitic and infectious diseases of animals and birds
- 4.3 Management of production and metabolic diseases of farm livestock and poultry
- 4.4 Definition, etiology, diagnosis, treatment and management of sub-fertility, infertility, sterility and abortion in farm livestock under Nepalese condition
- 4.5 Importance of breeding management, A.I, and pregnancy diagnosis in farm animals
- 4.6 Reproductive disorder and its management in farm livestock

Section D– 30 Marks

5. International standard, Quality, Acts, Policy & Regulation (30 Marks)

- 5.1 Slaughter house management and meat inspection principles and procedures
- 5.2 Outline of the World Trade Organization (WTOs), Sanitary and Phytosanitary measures (SPS)
- 5.3 Introduction to WOA (World Animal Health Organization) its objectives, function, and its role in standard setting
- 5.4 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
- 5.5 Animal Health and Livestock Service Act, 2055 and Regulation, 2056
- 5.6 Animal Slaughterhouse and Meat Inspection Act, 2055 and Regulation, 2057
- 5.7 Nepal Veterinary Council Act, 2055 and Regulation, 2057
- 5.8 Feed Act, 2023 and its Regulation
- 5.9 Drug Act, 2035
- 5.10 National Park and Wildlife Conservation Act, 2049
- 5.11 Nepal Standard (Certification Mark) Act, 2037
- 5.12 Sudurpaschim Pradesh Livestock development and Animal Health Service Act, 2078
- 5.13 Bird Flu Control Regulations & Compensation Standard
- 5.14 Animal Transportation Standard, 2064
- 5.15 Sudurpaschim Pradesh Dairy Development Board Act, 2077
- 5.16 One Health Strategy, 2076
- 5.17 Sudurpaschim Pradesh Agriculture and Livestock-poultry Business Promotional Act, 2076
- 5.18 Sudurpaschim Pradesh Cooperative Act, 2075
- 5.19 National Dairy Development Policy, 2078
- 5.20 National Livestock Breeding Policy, 2078
- 5.21 National Animal Health Policy, 2078
- 5.22 National Fisheries Development Policy, 2079
- 5.23 National Agro forestry Policy, 2076
- 5.24 Cooperative Act, 2048 & Regulation, 2075
- 5.25 National Food safety Policy, 2076
- 5.26 National Agriculture Policy, 2061
- 5.27 Rangeland Policy, 2068
- 5.28 National Animal Health Policy, 2078

प्रदेश लोक सेवा आयोग

सुदूरपश्चिम प्रदेश

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- 5.29 National Agriculture Research Council Act, 2048
- 5.30 Legal Duties of a Veterinarian, Examinations of animals for soundness, injuries, and sudden death
- 5.31 Animal welfare, welfare standards
- 5.32 Detection of Frauds, Malicious poisoning
- 5.33 Differentiation of blood, serum, semen, hair, hide, bones and biological samples of different species of livestock and poultry

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द्वितीय चरण (Second Paper):सामूहिक परीक्षण (Group Test) र अन्तरवार्ता (Interview)

(क) सामूहिक परीक्षण (Group Test)

(10 Marks)

सामूहिक छलफल (Group Discussion)

यस प्रयोजनको लागि गरिने परीक्षण १० पूर्णाङ्क र ३० मिनेट अबधिको हुनेछ, जुन नेता बिहिन सामूहिक छलफल (Leaderless Group Discussion) को रूपमा अवलम्बन गरिने छ | दिइएको प्रश्न वा Topic का बिषयमा पालैपालोसंग निर्दिष्ट समय भित्र समुह बीच छलफल गर्दै प्रत्येक उम्मेदवारले व्यक्तिगत प्रस्तुति (Individual Presentation) गर्नु पर्नेछ

सामूहिक छलफलमा दिइने नमुना प्रश्न वा Topic

उदारणको लागि - उर्जा संकट, गरिबी निवारण, बाली बीमा, खाद्य सुरक्षा, प्रतिभा पलायन जस्ता समसामयिक विषयबस्तुहरुबाट कुनै एक Topic दिइनेछ |

(ख) अन्तरवार्ता (Interview)

(25 Marks)

बोर्ड अन्तरवार्ता (Board Interview)

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