प्रदेश लोक सेवा आयोग, बागमती प्रदेश स्थानीय तह अन्तर्गत कृषि सेवा, भेटेरिनरी समूह, अधिकृत छैटौँ तहका पशु चिकित्सक पदको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

पाठ्यक्रमको रुपरेखालाई निम्न अनुसार विभाजन गरिएको छ

लिखित परीक्षा (Written Examination) :- प्रथम चरण पूर्णाङ्क :- २००

चरण द्वितीय चरण:- (क) सामुहिक परीक्षण (Group Test) पूर्णाङ्क :- १० (ख) अन्तर्वार्ता (Interview) पूर्णाङ्क :- ३०

परीक्षा योजना (Examination Scheme)

१. लिखित परीक्षा:- प्रथम चरण (First Phase)

पूर्णाङ्क:- २००

पत्र	विषय	खण्ड	पूर्णाङ्क	उर्तीर्णाङ्ग	परीक्षा प्रणाली		प्रश्नसंख्या ×अङ्क	समय
प्रथम	General Subject	Part I: General Awareness &General Ability Test	900	80	वस्तुगत (Objective)	बहुवैकल्पिक प्रश्न (MCQs)	५० प्रश्न ×१ अङ्ग	१घण्टा २० मिनेट
		Part II: General Technical Subject					५० प्रश्न ×१ अङ्ग	
द्वितीय	Technical Subject		900	४०	विषयगत (Subjective)	छोटो उत्तर लामो उत्तर	४ प्रश्न 🗙 ५ अङ्क ८ प्रश्न 🗙 १०अङ्क	३ घण्टा

द्वितीय चरण : सामूहिक परीक्षण (Group Test) र अन्तर्वार्ता (Interview) पूर्णाङ्क :- ४०

पत्र ∕विषय	पूर्णाङ्क	उर्तीर्णाङ्क परीक्षा प्रणाली		समय
सामूहिक परीक्षण (Group Test)	90		सामूहिक छलफल (Group Discussion)	३० मिनेट
अन्तर्वार्ता (Interview)	३०		बोर्ड अन्तर्वार्ता(Board Interview)	-

द्रष्टव्यः

- १. लिखित परीक्षाको माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अङ्ग्रेजी दुवै हुनेछ ।
- २. प्रथमपत्र र द्वितीय पत्रको लिखित परीक्षा छुट्टाछुट्टै हुनेछ ।
- ३. वस्तुगत बहुवैकल्पिक (Multiple choice) प्रश्नहरूको गलत उत्तर दिएमा प्रत्येक गलत उत्तर बापत २० प्रतिशत अङ्क कट्टा गरिनेछ । तर उत्तर नदिएमा त्यस बापत अङ्क दिइने छैन र अङ्क कट्टा पनि गरिने छैन ।
- ४. बहुवैकल्पिक प्रश्नहरु हुने परीक्षामा कुनै प्रकारको क्याल्कुलेटर (calculator) प्रयोग गर्न पाइने छैन ।
- ५. विषयगत प्रश्नहरूको हकमा तोकिएको अंकको एउटा लामो प्रश्न वा एउटै प्रश्नका दुई वा दुई भन्दा बढी भाग (Two or more parts of a single question) वा एउटा प्रश्न अन्तर्गत दुई वा बढी टिप्पणीहरू (Short notes) सोध्न सिकने छ।
- ६. द्वितीय पत्रमा (विषयगत प्रश्न हुनेका हकमा) प्रत्येक खण्डका लागि छुट्टाछुट्टै उत्तरपुस्तिकाहरु हुनेछन् । परिक्षार्थीले प्रत्येक खण्डका प्रश्नहरूको उत्तर सोही खण्डको उत्तरपुस्तिकामा लेखुपर्नेछ ।
- ७. यस पाठ्यक्रम योजना अन्तर्गतका पत्र/विषयका विषयवस्तुमा जेसुकै लेखिएको भए तापिन पाठ्यक्रममा परेका कानून, ऐन, नियम तथा नीतिहरू परीक्षाको मिति भन्दा ३ महिना अगािड (संशोधन भएका वा संशोधन भई हटाईएका वा थप गरी संशोधन भई) कायम रहेकालाई यस पाठक्रममा परेको सम्झनु पर्दछ ।
- ८. प्रथमचरणको परीक्षाबाट छुनौट भएका उम्मेदवारहरुलाई मात्र द्वितीयचरणको परीक्षामा सम्मिलित गराइनेछ ।
- ९. पाठ्यक्रम लागु मितिः २०७७। १०। ०७

प्रदेश लोक सेवा आयोग, बागमती प्रदेश स्थानीय तह अन्तर्गत कृषि सेवा, भेटेरिनरी समूह, अधिकृत छैटौं तहका पशु चिकित्सक पदको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

प्रथम पत्र (Paper I): General Subject

Part (I): - General Awareness & General Ability Test (50 Marks)

1. General Awareness and Contemporary Issues $(21 \times 1 \text{ Mark} = 21 \text{ Marks})$

- 1.1 Physical, socio-cultural and economic geography and demography of Bagamati Province Nepal
- 1.2 Major natural resources of Bagamati Province Nepal
- 1.3 Geographical diversity, climatic conditions, and livelihood & lifestyle of people of Bagamati Province
- 1.4 Notable events and personalities, social, cultural and economic conditions in modern history of Nepal
- 1.5 Current periodical plan of Bagamati Province Nepal
- 1.6 Information on sustainable development, environment, pollution, climate change, biodiversity, science and technology
- 1.7 Nepal's international affairs and general information on the UNO, SAARC & BIMSTEC
- 1.8 The Constitution of Nepal (From Part 1 to 5 and Schedules)
- 1.9 Governance system and Government (Federal, Provincial and Local)
- 1.10 Provisions of civil service act and regulation relating to constitution of civil service, organizational structure, posts of service, fulfillment of vacancy and code of conduct
- 1.11 Functional scope of public services
- 1.12 Public Service Charter
- 1.13 Concept, objective and importance of public policy
- 1.14 Fundamentals of management : planning, organizing, directing, controlling, coordinating, decision making, motivation and leadership
- 1.15 Government planning, budgeting and accounting system
- 1.16 Major events and current affairs of national and international importance

2. General Ability Test

 $(21 \times 1 \text{ Mark} = 21 \text{ Marks})$

2.1 **Verbal Ability Test** $(8 \times 1 \text{ Mark} = 8 \text{ Marks})$

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

2.2 **Numerical Ability Test** $(9 \times 1 \text{ Mark} = 9 \text{Marks})$

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

2.3 **Non-verbal/Abstract Ability Test** (8×1 Mark = 8 Marks)

Figure Series, Figure Analogy, Figure Classification, Figure Matrix, Pattern Completion/Finding, Analytical Reasoning Test, Figure Formation and Analysis, Rule Detection, Water images, Mirror images, Cubes and Dice & Venn-diagram

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3. नेपाली शुद्धाशुद्धि सम्बन्धी

 $(4\times1 \text{ Mark} = 4\text{marks})$

सरकारी कामकाजको नेपाली भाषाको लेखाइ विशेष गरी टिप्पणी र आदेश, पत्राचार, परिपत्र, निर्देशन, आदेश, विज्ञप्ति, सूचना, विज्ञापन, राजपत्र, प्रतिवेदन, वार्षिक प्रतिवेदन, ऐन-नियमावली तथा कार्यविधि, बैठकको माइन्युट तथा निर्णय, प्रशंसा पत्र, निमन्त्रणा पत्र, करारनामा, सम्झौता, कबुलियतनामा, बयान, वेवसाइट लेख लगायत सबै प्रकारका मस्यौदा वा अन्तिम लिखत तयारी गर्दा शुध्दाशुध्दि लेखाइको परीक्षण (विशेष गरी वर्णविन्यास, पदसङ्गति, नाम, सर्वनाम, विशेषण, किया, अव्यय [नामयोगी, कियायोगी (कियाविशेषण), संयोजक, विस्मयादिबोधक, निपात], काल, वाच्य, पदवर्ग, अनुकरणात्मक शब्द, कारक र विभक्ति, लिङ्ग, वचन, पुरुष, उल्टो अर्थ आउने शब्द, पर्यायवाची शब्द, मौलिक शब्दःतत्सम शब्द, तद्भव शब्द, स्वदेशी आगन्तुक शब्द, विदेशी आगन्तुक शब्द, उपसर्ग लागेर निर्मित शब्द, प्रत्यय लागेर निर्मित शब्द, समास भएर निर्मित शब्द, द्वित्व भएर निर्मित शब्द, हस्व दीर्घ, श, ष, स तथा ब र व, शिरबिन्द र चन्द्रबिन्दुको प्रयोग गर्ने क्षमताको परीक्षण)।

4. English proficiency-

 $(4 \times 1 \text{ Mark} = 4 \text{marks})$

- 2.1 Comprehension: questions will be asked on the passage given. The questions will try to accommodate the following areas: Fact finding, Inferential, core theme, true/false identification, issues raised, and language based.
- 2.2 Vocabulary: Questions will be asked to assess their grasp on the English language vocabulary. The questions will be of the following nature, -Meaning of the words (literal/figurative/contextual), single word for expressions, Synonyms/antonyms, Derivatives and Homonyms/ homophones.
- 2.3 Syntactic ability: Questions will be asked to assess the syntactic ability of the candidates. The questions will be based on the following categories: Agreement, tense, parallel structures, clauses, modifier, conditionals, phrasal expressions, shifts (tense, number, person), transformations, varieties, prepositions/conjunctions, and parts of speech.

Note: this above English Language Competence Test syllabus is devised for assessing the proficiency of the English language of candidates. With the view to assess the candidates' language competence, the syllabus aims:

- To test the understanding of their language though reading comprehension,
- To map the range of their vocabulary,
- To examine their syntactic ability.

The nature and standard of questions in English Language Competence Test will be such that and educated class XII level person will be able to answer them without any specialized study.

प्रदेश लोक सेवा आयोग, बागमती प्रदेश स्थानीय तह अन्तर्गत कृषि सेवा, भेटेरिनरी समूह, अधिकृत छैटौं तहका पशु चिकित्सक पदको खुला प्रतियोगितात्मक

Part (II): - General Technical Subject (50 Marks)

1. Introduction 10%

परीक्षाको पाठ्यक्रम

- **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
- **1.6** Provisions made by APP, Livestock Master Plan and Dairy Development Plan for Livestock sector development

2. Clinical subjects

40%

2.1 Veterinary Medicine

- 2.1.1 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
- 2.12 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
- 2.1.3 Metabolic and production diseases
- 2.1.4 Nutritional deficiencies disease
- 2.1.5 Trans-boundary animal disease (TADs): Definition, etiology, epidemiology, transmission, pathogenesis, symptoms, diagnosis, treatment, control and prevention of the following TADs: FMD; RP; PPR; CBPP; Sheep pox and Goat pox; Blue tongue; Classical swine fever; Highly Pathogenic Avian Influenza; New castle disease
- Other Infectious disease: Definition, etiology, epidemiology, transmission, pathogenesis, symptoms, diagnosis, treatment, control of the following infectious disease: HS; BQ; Malignant edema; Tetanus; Anthrax; Tuberculosis; Para tuberculosis; Actinpmycosis; Actinobacillosis; Brucellosis; Listeriosis; Leptospirosis; Mastitis; Strangles; Glanders; Degnala disease; Salmonellosis; Mycoplasmosis; Mad cow disease; Rabies; Scrapie; Canine distemper;
- 2.1.7 Etiology, epidemiology, transmission, pathogenesis, symptoms, diagnosis, treatment, and control of the common disease caused by chlamydi, Ricktesia and Fungi in different species of animals
- 2.1.8 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; Leechy heart disease; Fowl cholera; Aflatoxicosis
- 2.1.9 Parasitic disease: 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. ectoparasitism, General control measures of Gastro intestinal parasitism in

प्रदेश लोक सेवा आयोग, बागमती प्रदेश स्थानीय तह अन्तर्गत कृषि सेवा. भेटेरिनरी समह. अधिकत छैटौँ तहका प्रश चिकित्सक पढको खला प्रतियोगिनात्मक

थानीय तह अन्तर्गत कृषि सेवा, भेटेरिनरी समूह, अधिकृत छैटौँ तहका पशु चिकित्सक पदको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम						
		Animals. Protozoan diseases: Anaplasmosis; Babesiosis; Theileriosis;				
	2110	Trypnosomiasis; Toxoplasmosis; and Coccidiosis				
	2.1.10	Diagnosis, treatment and management of different form of poisonings and				
	2111	snake bite				
	2.1.11	Prospects and constrains of animal and poultry vaccine production in Nepal, their uses and abuses				
22	Votor	inary Surgery				
2.2	2.2.1	General surgical principles and procedures adopted in surgery				
	2.2.1	Pre and post-operative considerations				
	2.2.3	Antiseptics and disinfectants				
	2.2.4	Sterilizations of surgical materials and instruments.				
	2.2.5	Importance of sutures and suturing materials				
	2.2.6	Inflammations; Abscess; Tumors; Cysts; Heamatoma; Hernia and their				
		treatment				
	2.2.7	Different types of wounds and their treatment				
	2.2.8	Gangrene; Burn, Scald; Frost bite and their treatment				
	2.2.9	Fractures and dislocations, their diagnosis and treatment				
	2.2.10	Special surgery; Caesarian section; Rumenotomy; Ovario-histerectomy,				
		Stringhalt; Spaying and Neutering				
	2.2.11	Different types of local, regional and general anesthetic procedures				
2.3		inary obstetrics and Gynecology				
		Normal reproductive cycle of different farm animals and dogs.				
		Breeding soundness examination of bull				
		Detection of heat				
		Artificial insemination				
		Pregnancy diagnosis				
		Embryo transfer				
		Concept of infertility and sterility				
	2.3.8	Diagnosis and treatment of silent estrus, an-estrus, repeat breeders metritis,				
	2.3.9	endometritis and pyometra Divitalia and its correction				
	23.10	Dystokia and its correction Prolapse of uterus, bladder and vagina				
	2.3.10	Use of hormones and prostaglandins				
	2.3.11	Infectious disease causing abortions-brucellosis, Trichomoniasis, Listeriosis etc				
2.4		emiology and Veterinary public health				
₽• ▼	2.4.1	Definition, aim, objectives and application of epidemiology				
	2.4.2	Epidemiological concept of disease control				
	2.4.3	Surveillance and monitoring of disease				
	2.4.4	Different types of epidemiological studies				
	2.4.5	Outbreak investigation				
	2.4.6	Prevalence rate, incidence rate and difference between them				
	2.4.7	Characteristics of host factor, agent factor and environmental factor				
	2.4.8	Different terminology used in epidemiology				
	240	Enidomiological reporting practices in Napal				

- 2.4.9 Epidemiological reporting practices in Nepal
- Cost analysis of the disease control programs 2.4.10
- Risk analysis 2.4.11

2.4

- Definition and objective of VPH 2.4.12
- Different roles of VPH (Animal production, food hygiene and 2.4.13 environmental protection)
- Diagnosis, surveillance and control of various zoonotic disease 2.4.14

प्रदेश लोक सेवा आयोग, बागमती प्रदेश

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- 24.15 Meat inspection: anti-mortem, post-mortem and re-inspection
- 2.4.16 Different component and management of slaughterhouse
- 2.4.17 Milk hygiene
- 2.4.18 Concept of HACCP (Hazard analysis and critical control point)

2.5 Veterinary extension

- 25.1 Definition, philosophy and principles of extension education
- 252 Classification of extension teaching methods
- 25.3 Public private partnership
- 25.4 Social mobilization (CBOs, NGOs, and INGOs)

2.6 Clinical pathology and parasitology

- 2.6.1 Materials to be sent to laboratory for different disease diagnosis
- Hematological examinations (TC, DC, ESR, PCV, RBC count, Blood smears, hemoglobin estimation)
- 263 Blood chemistry (estimation of blood glucose, serum and calcium)
- 2.6.4 Liver and kidney functions tests)
- 2.6.5 Urine analysis (Routine test, test for detection of protein, Glucose, Ketone bodies, blood, bile pigment)
- 2.6.6 Blood and urine culture and antibiotic sensitivity tests
- 2.6.7 California mastitis tests
- 2.6.8 Important diagnostic tests: Different staining procedures, Tuberculin tests in animals, Test for pullorum disease (Rapid stained antigen), Brucellosis tests (RBPT and milk ring test) Test for rabies (Negri bodies test)
- 2.6.9 Post mortem examinations
- 2.6.10 Clinical parasitology (Examination of feces: direct smear method, concentration method and Floatation method)
- 2.6.11 Examination of skin scrapping
- 2.6.12 Bacterial, Viral and Fungal serological techniques
- 2.6.13 ELISA

3. Para-clinical subjects

20%

3.1 Veterinary Microbiology

- 3.1.1 General characteristics, properties, morphology, metabolism, growth and reproduction of bacteria, virus and fungus of various classes
- 3.1.2 Bacterial genetics, mutation and variations associated with virulence
- 3.1.3 Antigenicity, drug resistance
- 3.1.4 Principles of antiseptics, sterilization and disinfection
- 3.1.5 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
- 3.1.6 Immunization of animals
- 3.1.7 Hypersensitivity-allergy
- 3.1.8 Bacteriophage, their description and application
- 3.19 Laboratory techniques for bacterial, viral, fungal culture and identification
- 3.1.10 Important diseases of domesticated animals caused by bacteria, viruses, ricketsia, chlamydia and fungi

3.2 Veterinary Parasitology

- 32.1 Parasites and Parasitism, Types of parasitism, host-parasite relationship
- 322 Importance of immunity against parasitic diseases
- 323 Classification and nomenclature of parasites and characteristics of different classes of parasites

प्रदेश लोक सेवा आयोग, बागमती प्रदेश

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- 32.4 Parasite development in the host system
- 3.25 Antiparasitic and anthelmintic medication, their use and abuse. Anthelmintic resistance
- 32.6 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
- 32.7 Protozoon parasites of domesticated animals and birds, their classification, morphology and the diseases caused by them with epidemiology, effects and control strategies
- 32.8 Identification of different parasites and the methods of their culture and laboratory growth

3.3 Veterinary Pathology

- 3.3.1 Pathological responses of body to infection
- 33.2 Inflammation, classification and changes in inflammatory responses
- Pathological disturbances and responses in circulatory system, cell metabolism, pigment metabolism
- 3.3.4 Disturbances in growth, Neoplasm and cancer
- 3.3.5 Healing, fever
- 33.6 Uroliths, choleliths, sialoliths, pancreoliths, enteroliths
- 33.7 Immune reactions. Hypersensitivity and auto immunity
- 33.8 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
- Pathological changes in diseases caused by bacteria, viruses, fungus and parasites of domesticated animals and birds

3.4 Veterinary Pharmacology and Toxicology

- 3.4.1 Principles of drug activity, pharmacokinetics and pharmacodynamics of the drugs acting on central nervous system
- 3.4.2 Anesthetics, hypnotics, sedatives, tranquilizers, analgesics, analeptics, antipyretics, histamines and antihistamines
- 3.4.3 Anaesthetics, Neuromuscular blocking agents, Peripheral and Central muscle relaxants
- 3.4.4 Drugs acting on autonomic nervous system, neurohumoral transmission, adrenergic antagonists, cholinergic antagonists
- 3.45 Drugs acting on cardiovasvular system, digestive system, respiratory system, urogenital system and skin and mucus membrane
- 3.4.6 Endocrine pharmacology
- 3.4.7 Vitamins
- 3.4.8 Antibacterial agents, antibiotics, antifungal agents, anthelmintics, antiprotozoal agents, antiviral and anticancer agents
- 3.4.9 Cytotoxic and immunosuppressive drugs
- 3.4.10 Hormones, prostaglandins, cortocosteroids
- 34.11 Toxicity caused by metals and nonmetals, plants, commonly used drugs, agrochemicals, venomous bites and stings and environmental toxicity

4. Pre- clinical subjects

16%

4.1 Veterinary Anatomy

4.1.1 Gross anatomy of skeletal system, muscular system, nervous system, digestive system, urogenital system, circulatory system, respiratory system,

प्रदेश लोक सेवा आयोग, बागमती प्रदेश

स्थानीय तह अन्तर्गत कृषि सेवा, भेटेरिनरी समूह, अधिकृत छैटौं तहका पशु चिकित्सक पदको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

- Reproductive system, glandular system and sense organs of domesticated animals and poultry
- 4.1.2 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
- 4.1.3 General embryology, gametogenesis, fertilization, and development of fetus and body organs in domesticated animals and birds

4.2 Veterinary Physiology

- 42.1 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
- 4.2.2 Composition and function of tissue fluids
- 4.2.3 Mechanism of respiration and gaseous exchange

4.3 Biochemistry

- 43.1 Biochemistry of respiration, renal function and acid base balance
- 4.3.2 Biochemistry of digestion and metabolism of carbohydrate, fat, protein, nucleic acid, minerals and trace elements
- 4.3.3 Basal and energy metabolism
- 4.3.4 Biochemistry of hormones and enzymes
- 4.3.4 Diagnostic biochemistry
- 4.3.5 Immunochemistry
- 4.3.6 Biochemistry of cellular and sub cellular components
- 4.3.7 Biochemistry of carbohydrate, lipids, proteins
- 4.3.8 Diagnostic biochemistry

4.4 Animal Nutrition

- 4.4.1 Animal feed classification, nutritional requirements, feeding system and feeding standards of farm animals and birds
- 4.4.2 Functions of various nutrients and process of digestion in ruminants, non-ruminants and birds
- 4.4.3 Ration formulation for farm livestock and birds

4.5 Livestock Production and Management

- 4.5.1 Care and management of farm livestock and poultry during different production and growth stages
- 4.5.2 Housing system for animals and birds
- 4.5.3 Characteristics of different breeds of farm livestock and birds
- 4.5.4 System of breeding and selection in farm livestock and poultry birds
- 4.5.5 Dairy and poultry production

5. Regulatory functions

14%

- 5.1 Outline of the World Trade Organization (WTOs), Sanitary and Phytosanitory (SPS) measures
- 5.2 Technical Barrier to Trade (TBT) Trade related aspects of Intellectual Property Rights (IPRs) agreement
- 5.3 Introduction to OIE, its objectives, function, structure, Standard setting procedures and different standards as set in Terrestrial Animal health code, Aquatic animal health code
- **5.4** Different standards for Biological preparation and standard Diagnostics Tests for various diseases of farm animals

प्रदेश लोक सेवा आयोग

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- **5.5** Role of Official Veterinary Services in International Trade of animals, products of animal origin, food safety, import risk analysis, import permit
- **5.6** International Veterinary certifications, quarantine inspections and procedures

5.7 Animal Health Related Acts & Regulations

- 5.7.1 Animal Health and Livestock Service Act and Regulation
- 5.7.2 Slaughterhouse and Meat inspection Act and Regulation
- 5.73 Nepal Veterinary Council Act, 2055 and Regulation, 2057
- 5.7.4 Feed Act and Regulation
- 5.7.5 Drug Act, 2035
- 5.7.6 National Park and Wildlife Conservation Act
- 5.7.7 Nepal Standard (Certification Mark) Act
- **5.8** Legal Duties of a Veterinarian, Examinations of animals for soundness, injuries, and sudden death.
- **5.9** Animal welfare
- **5.10** Detection of Frauds, Malicious poisoning
- **5.11** Differentiation of different species of blood, serum, semen, hair, hide and bones

प्रदेश लोक सेवा आयोग

स्थानीय तह अन्तर्गत कृषि सेवा, भेटेरिनरी समूह, अधिकृत छैटौँ तहको पशु चिकित्सक पदको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

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

प्रदेश लोक सेवा आयोग

स्थानीय तह अन्तर्गत कृषि सेवा, भेटेरिनरी समूह, अधिकृत छैटौँ तहको पशु चिकित्सक पदको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

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 Phytosanitory 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

प्रदेश लोक सेवा आयोग स्थानीय तह अन्तर्गत कृषि सेवा, भेटेरिनरी समूह, अधिकृत छैटौं तहको पशु चिकित्सक पदको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

प्रथम चरणको लिखित परीक्षाबाट छुनौट भएका उम्मेदवारहरुलाई मात्र लिइने सामूहिक परीक्षण (Group Test) को लागि

सामूहिक छलफल (Group Discussion)

यस प्रयोजनको लागि गरिने परीक्षण १० पूर्णाङ्क र ३० मिनेट अवधिको हुनेछ जुन नेताविहिन सामूहिक छलफल (Leaderless Group Discussion)को रूपमा अवलम्बन गरिने छ । दिइएको प्रश्न वा Topic का विषयमा पालैपालोसँग निर्दिष्ट समयभित्र समूहवीच छलफल गर्दै प्रत्येक उम्मेदवारले व्यक्तिगत प्रस्तुति (Individual Presentation) गर्नु पर्नेछ । यस परीक्षणमा मूल्याङ्कनको लागि देहाय अनुसारको समिति रहनेछ ।

आयोगका अध्यक्ष/सदस्य— अध्यक्ष मनोविज्ञ — सदस्य दक्ष/विज्ञ (१ जना) — सदस्य

सामूहिक छलफलमा दिइने नमुना प्रश्न वा Topic

उदाहरणको लागि — दिगो विकास, सडक दुर्घटना, रोजगारी जस्ता Topics मध्ये कुनै एक Topic मात्र दिइनेछ।