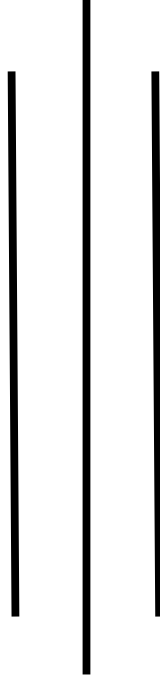


कृषि तथा वन विज्ञान विश्वविद्यालय  
सेवा आयोग

सह प्रध्यापक, उप प्राध्यापक र अन्य पदको खुल्ला प्रतियोगिताको पाठ्यांश



२०७१

# कृषि तथा वन विज्ञान विश्वविद्यालय सेवा आयोग

सह प्राध्यापक, उप प्राध्यापक र अन्य पदको खुल्ला प्रतियोगिताको पाठ्यांश

## पाठ्यक्रम र पूर्णाङ्क विभाजन

(क) सह प्राध्यापक : पूर्णाङ्क ३०

(क) सम्बन्धित विषयको ज्ञान २५

(ख) कृ.व.वि. सम्बन्धी ज्ञान ५

(ख) उप प्राध्यापक : पूर्णाङ्क ५०

(क) सम्बन्धित विषयको ज्ञान ४०

(ख) कृ.व.वि. सम्बन्धी ज्ञान १०

(ग) प्रशिक्षक : पूर्णाङ्क १००

(क) सम्बन्धित विषयको ज्ञान ९०

(ख) कृ.व.वि. सम्बन्धी ज्ञान १०

(घ) उप/सहायक प्रशिक्षक : पूर्णाङ्क ९०

(क) सम्बन्धित विषयको ज्ञान ८०

(ख) कृ.व.वि. सम्बन्धी ज्ञान १०

## लिखित परीक्षा सम्बन्धमा

१. लिखित परीक्षा लिदा परीक्षा प्रणालीको एकरूपताको लागि सबै पदहरूको पूर्णाङ्क १०० हुनेछ। जस अन्तर्गत :

खण्ड (क) वस्तुगत प्रश्न संख्या ५० र पूर्णाङ्क ५० हुनेछ।

खण्ड (ख) १. लामा प्रश्न संख्या २ र पूर्णाङ्क २० हुनेछ।

२. छोटो प्रश्न संख्या १० र पूर्णाङ्क २० हुनेछ।

खण्ड (ग) विश्वविद्यालय सम्बन्धि ज्ञान सम्बन्धमा प्रश्न संख्या २ र पूर्णाङ्क १० हुनेछ।

२. पुरा परीक्षा अवधि ३ घण्टाको हुनेछ, जस मध्ये वस्तुगत प्रश्नहरूलाई अधिकतम ५० मिनेट समय दिईने छ।

३. वस्तुगत प्रश्नहरू बहुवैकल्पिक (Multiple Choice) हुनेछन्। प्रत्येक प्रश्नमा ४वटा सम्भावित उत्तर रहनेछन्।

## पाठ्यांश

(क) सम्बन्धित विषयहरु

### **Agriculture Faculty Related Subjects**

#### **Agronomy**

Principles, cereals, grain legumes and oil crops, seed technology, weeds management, farming system.

#### **Horticulture**

Principles, fruits, vegetables, ornamentals, landscape, plantation crops, organic farming, post-harvest.

#### **Entomology**

Taxonomy, ecology, crop pest management physiology, biological controls, apiculture and crop pollination, field and horticultural entomology.

#### **Pathology**

Fungi, bacteria, virus, nematodes, diseases of agronomical and horticultural crops and their management, principles and practices of plant pathology.

#### **Soil Science**

Soil chemistry/fertility and plant nutrition, soil pedology and geography, soil microbiology, soil physics and soil conservation and their management.

#### **Agri-Extension**

Principles and practices, agri-extension, agri-communication, social mobilization, rural development, leadership development.

#### **Rural Sociology**

Concepts and principles social and cultural changes, agrarian sociology, rural sociology in transition social process and integration, social institution and stratification, ethnicity and diversity, migration and mobility agriculture and rural sociology.

#### **Plant Breeding**

Genetics, principles and practices of plant breeding, population genetics, resistance breeding.

#### **Bio-technology**

Bio-technology and diversity, plant, animal, veterinary and forestry bio-technology.

**Environmental science**

Environmental science, agri-ecology, medicinal, aromatics plants, mountain agriculture and climate change, agri-microbiology, plant physiology.

**Bio-chemistry**

Principles, bio-chemistry, classification function, structures, metabolic pathway of biosynthesis and degradation of bio-molecules .

**Agri-Economics**

Principles, farm management, project analysis, agri-marketing and co-operatives project planning.

**Agri-Business management**

Concept and principles, agri-business environments and management, systems, human resources management, financial management, methods of investment analysis, leadership and motivation , control progress ,value chain analysis, production , planning, implications , policies their impacts .

**Agri-Engineering**

Farm power and machinery, farm structure and surveying, soil-water conservation, irrigation/water shade management, agro- meteorology.

**Statistics**

Overview, sampling methods, measure, of central tendency, probability, correlation and regression , test of significance, experimental designs and analysis .

**Animal Science**

Nutrition, breeding, management, fisheries, dairy technology.

# **Animal Science, Veterinary Science & Fisheries Faculty**

## **Related Subjects.**

### **Animal Science Related Subjects**

#### **Animal Nutrition**

Principles of animal nutrition  
Fodder production and pasture management  
Applied animal nutrition (Ruminant)  
Applied animal nutrition (Non ruminant )  
Evaluation of feed stuffs  
Applied human nutrition

#### **LPM**

Ruminant production and management  
Non ruminant production  
Animal Housing and Sanitation  
Bee,pet and Lab animal Management  
Abattoir practices and animal product technology  
Milk and Milk product technology  
Wildlife production and management

### **Animal Breeding and Biotechnology**

Principles of genetics and animal breeding  
Animal breeding and biotechnology  
Livestocks and poultry breeding .

### **Veterinary Science Related Subjects**

#### **Veterinary Anatomy**

Gross anatomy (Osteology, Arthrology, Biomechanics, Myology, Neurology, Angiology and Aesthesiology)  
Histology and embryology  
Splanchnology and applied anatomy

#### **Vety. Physiology**

Physiology of locomotor, cardiovascular, blood, respiratory, digestive, excretory, nervous systems, reproduction and lactation,  
Endocrinology  
Growth, environment and climatology

#### **Vety Parasitology**

General veterinary parasitology  
Cestodes, helminths and liches  
Protozoology

**Vety. Microbiology**

General vety. microbiology  
Immunology and serology  
Systemic bacteriology and mycology  
Systemic veterinary virology

**Vety. Pathology**

General Pathology  
Systemic Pathology  
Special Pathology  
Pathology of fish, poultry and diagnostic pathology

**Vety. Pharmacology**

General and systemic pharmacology  
Neuropharmacology  
Chemotherapy  
Toxicology

**Vety. Medicine**

Internal Medicine (Systemic, metabolic and deficiency)  
Preventive Medicine (Bacterial, Fungal, Rickettsial Viral, Protozoal and Parasitic diseases)  
Ethics and jurisprudence  
Animal welfare  
Wildlife, pet animal and lab animal medicine

**Vety. Theriogenology**

Animal reproduction and endocrinology  
Gynaecology and obstetrics  
Animal infertility  
Andrology and reproductive techniques

**Vety. Surgery**

Anesthesiology  
General surgery  
Radiology and diagnostic imaging  
Regional and clinical surgery

**Aquaculture and Fisheries Related Subject**

Principles of aquaculture  
Fish physiology  
Fish disease  
Fish nutrition  
Water quality  
Reproduction and hatchery management.

## **Forestry Faculty Related Subjects**

### **Basic Science and Humanities**

Principles of Cytology, Genetics and Breeding  
Introductory Economics  
Social Science for Forestry  
Forest Law and Policy  
Tree Physiology  
Plant Biochemistry and Biotechnology  
Elementary Statistics & Computer Application  
Entrepreneurship Development and Communication Skill

### **Ecology and Environmental Science**

Forest Ecology  
Fire Ecology  
Mountain Ecology  
Biodiversity Conservation  
Environmental Science  
Ecosystem Services and Climate Change  
Global Environmental Change

### **Forest Products Utilization**

Wood Anatomy  
Harvesting and Logging  
Medicinal and Aromatic Plants  
Wood Products and Utilization  
Ethnobotany  
Wood Science and Technology  
Utilization of non Timber Forest Products

### **Forest Survey and Engineering**

Forest Surveying  
Forest Engineering  
Soil and Water Conservation Engineering  
Remote Sensing Air Photo Interpretation  
Gis In Nrm

### **Natural Resource Management**

Forest Extension  
Principles of Forest Economics  
Forest Mensuration and Biometrics  
Forest Management  
Rangeland Management  
Business Management  
Community Forestry and Governance  
Experimental Design and Statistical Analysis  
Natural Resource Economics

## **Silviculture and Forest Biology**

Principles and practices of silviculture

Dendrology

Silvicultural Systems

Agroforestry Systems and Management

Forest Protection

Nursery Management

Silviculture of Nepalese Tree

## **Soil and Watershed Management**

Introductory Soil Science

Fundamentals of Geology

Forest Hydrology

Watershed Management

Soil Survey and Degraded Land Management

## **Wildlife and Protected Reserve**

Wildlife Biology

Wildlife and Ecotourism Management

Wildlife Conservation

Protected Area Management

Tourism and Recreation

कृषि, पशु विज्ञान, पशु चिकित्सा, मत्स्य पालन र वन विज्ञान विषय भन्दा बाहिरका तर विश्वविद्यालयलाई आवश्यक पर्ने विषयहरू जस्तै: अंग्रेजी, तथ्याङ्क शास्त्र, कृषि इन्जिनियरीङ्ग, बायोकेमेस्ट्री, खेलकुद आदि विषयहरूको पाठ्यक्रम शिक्षक नियुक्तिका आधार, कार्य सम्पादन मूल्याङ्कन तथा कार्य क्षमता अङ्क विभाजन एवं सिफारिश सम्बन्धि कार्यविधि २०७१ मा उल्लेख भए अनुसार हुनेछ।

## **(ख) कृषि तथा वन विज्ञान विश्वविद्यालय सम्बन्धी ज्ञान**

### विश्वविद्यालय सम्बन्धमा

#### **विश्वविद्यालय सम्बन्धी ज्ञान :**

कृ.व.वि.सभा, प्राज्ञिक परिषद् कार्यकारी परिषद्, विद्यापरिषद्, विषय समितिको गठन र काम कर्तव्य, उपकुलपति, सेवा आयोगका अध्यक्ष, रजिष्ट्रार, सेवा आयोगका सदस्यहरू एवं डीनहरूको नियुक्ति प्रकृया र काम कर्तव्य, शिक्षकहरूको सेवा शर्त र सुविधाहरू, प्राज्ञिक कार्यक्रमहरू, अनुसन्धान कार्यक्रमहरू, विकास कार्यक्रमहरू तथा अन्य सम्बन्धित कार्यहरू।

#### पाठ्यांशको दायरा :

माथी (क) र (ख) मा उल्लेखित विषयहरूलाई आधारभुत पाठ्यक्रम मानि उप-प्राध्यापक र सो भन्दा माथिका पदहरूको लागि आवेदित पदको स्नातकोत्तर को विषय नै मुख्य विषय हुने छ। तर उप-प्राध्यापक भन्दा मुनिका प्राविधिक शिक्षक तर्फका पदहरू जस्तै : सहायक प्रशिक्षक, प्रशिक्षक र उप-प्रशिक्षक आदिको लागि सम्बन्धित विषयहरूको विशेषज्ञबाट पाठ्यक्रम तयार गरी परीक्षा लिइने छ।