



कृषि स्नातक प्राविधिक (तह क्षेत्र) पदको प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

प्रारम्भिक योग्यताको सूचीमा परेका उमेदवारहरू लाई निम्न परीक्षा लिईनेछः

परीक्षा योजना (Examination Scheme)

प्रथम चरण: लिखित परीक्षा (Written Examination)

पूर्णाङ्क:- १००

पत्र	बिषय	पूर्णाङ्क	उतीर्णाङ्क	परीक्षा प्रणाली		प्रश्न संख्याxअङ्क	समय
प्रथम	सेवा सम्बन्धित कार्य-ज्ञान (Job-Based Knowledge)	१००	४०	वस्तुगत (Objective)	बहुवैकल्पिक प्रश्न (MCQs)	१०० प्रश्नx१ अङ्क	१ घण्टा ३० मिनेट

द्वितीय चरण: अन्तरवार्ता (Interview)

पूर्णाङ्क:- २०

पत्र/बिषय	पूर्णाङ्क	परीक्षा प्रणाली
अन्तरवार्ता (Interview)	२०	मौखिक (Oral)

पाठ्यक्रम

(क) सेवा सम्बन्धी

1. History and Current Status of Agriculture Sector in Nepal (10 marks)

- 1.1. History of agricultural research and development in Nepal
- 1.2. Overview of Nepalese agriculture : Current status and scope
- 1.3. Institutional arrangement of agricultural research, extension and education in Nepal
- 1.4. Agriculture Perspective Plan (APP) and its impact in Nepalese agriculture
- 1.5. Devolution of agriculture extension system and its impact in agricultural development

2. Agriculture Research, Extension and Education (12 marks)

- 2.1. Role of agriculture research in contemporary agriculture
- 2.2. Nepal Agricultural Research Council (NARC) and its vision
- 2.3. Agricultural education systems in Nepal
- 2.4. Academic institutions such as AFU, PU, TU
- 2.5. Non-academic institutions (CTEVT and its allied institutions)
- 2.6. Major functions of agriculture research, extension and education in Nepal
- 2.7. Linkage and coordination among research, extension and teaching in Nepal
- 2.8. Public, private, NGOs, CBOs, agricultural co-operatives and farmer groups involvement in research, extension and education
- 2.9. Participatory technology development, participatory planning, monitoring, evaluation and feedback



- 3. Natural Resource, Environment Conservation, Climate Change and Disaster-Risk Management (20 marks)**
- 3.1. Importance of natural resources conservation, utilization and management w. r. t. food security, employment generation and livelihood improvement in Nepal
 - 3.2. Bio-diversity and agro-biodiversity: Conservation and utilization for sustainable agriculture development
 - 3.3. Use of fertilizers and pesticides in agriculture and their implications to environment
 - 3.4. Integrated pest, crop, and plant nutrient management systems (IPM, ICM, IPNM) and Good Agricultural Practices (GAP)
 - 3.5. Environmental issues and sustainability of Nepalese agriculture
 - 3.6. Organic agriculture, and organic products for export promotion and food safety
 - 3.7. General climatic conditions of Nepal
 - 3.8. Weather observation and instruments use in Nepal
 - 3.9. Climate change and its impact in agriculture sector
 - 3.10. Climate change adaptation and mitigation strategies of Nepal
 - 3.11. Disaster (landslide, drought, flood, cold spell, earthquake, pest outbreak) management in agriculture
 - 3.12. Rapid urbanization and change in land use pattern and their consequences in food security, environment conservation, employment generation and youth migration
 - 3.13. Crop insurance in Nepal: Current policies and status
- 4. Legislations, Plan, Policies, Strategies, and Global Trade in Agriculture (20 marks)**
- 4.1. Agriculture sector in current constitution
 - 4.2. Concept, goals, target and strategies of current periodic plan
 - 4.3. Planning, implementation, monitoring and evaluation of agricultural projects
 - 4.4. Local governance and its role in agricultural development
 - 4.5. National Agriculture Policy, 2061 (2004)
 - 4.6. Agro-biodiversity Promotion Policy, 2063 (2007) (first amendment, 2071)
 - 4.7. Agri-business Promotion Policy, 2063 (2006)
 - 4.8. Agriculture Development Strategy (ADS), 2015-2035 AD: vision, mission, target, components and its salient features, implementation status of ADS, supporting projects and institutional arrangement
 - 4.9. National Seed Vision, 2013-2025 and its implementation status
 - 4.10. Nepal Trade Integration Strategy (NTIS), 2016 - Agricultural commodities
 - 4.11. Agricultural Extension Strategy, 2061 (2003)
 - 4.12. Seeds Act, 2045 (1988) and Seeds Rules, 2069 (2013)
 - 4.13. Plant Protection Act, 2064 (2007) and Plant Protection Rules, 2066 (2010)
 - 4.14. Pesticides Management Act, 2076 (2019) and Regulation
 - 4.15. Fertilizer Control Order, 2055
 - 4.16. Food Right and Food Sovereignty Act, 2076 (2019)



- 4.17. Food Safety Policy, 2076 (2019)
- 4.18. Agro Forestry Policy, 2076 (2019)
- 4.19. World Trade Organization (WTO), Agreement on South Asian Free Trade Area (SAFTA): their implication and impact in Nepalese agriculture
- 4.20. Comparative advantage, agriculture commercialization and trading of Nepalese agricultural products. 4.21 Implication of Sanitary and Phyto-sanitary (SPS) measures in Nepalese agricultural trade
- 5. Agricultural Technology and Management (30 marks)**
 - 5.1. Importance of technology generation, verification and dissemination in crop production and management
 - 5.2. Seed quality assurance: Seed production, laboratory testing, processing, handling, marketing and storage
 - 5.3. Variety release and registration system in Nepal
 - 5.4. Food and nutrition security: Concepts, status and dimensions
 - 5.5. Importance of pests and pesticides management
 - 5.6. Integrated Pest Management (IPM) concepts and strategies/practices
 - 5.7. Roles of pollinators in crop production
 - 5.8. Importance of microbial agents (fungus, bacteria, nematodes and virus in
 - 5.9. Importance of crop diversification and commercialization in Nepal.
 - 5.10. Precision and protected agriculture: Concepts and technologies
 - 5.11. Agricultural crops for agro-forestry and environmental protection
 - 5.12. Strategies for commercialization of high value low volume commodities
 - 5.13. Concept of soil fertility and productivity
 - 5.14. Essential plant nutrients and their sources (manures and fertilizers)
 - 5.15. Soil reaction (pH) and soil reaction improvement
 - 5.16. Concept of Integrated Plant Nutrient Systems (IPNS) and its significance
 - 5.17. Contemporary agricultural extension practices in Nepal (plant clinic, mobile service, training and demonstration farm, farmer to farmer extension and pluralistic extension)
 - 5.18. Role of information and communication technology (ICT) in agriculture development
 - 5.19. Agricultural markets and marketing in Nepal
 - 5.20. Agricultural Management Information System (AMIS) in Nepal
 - 5.21. Agriculture Census, 2068 and Agriculture Census, 2078
 - 5.22. Linkage of agro-industries with agriculture production and marketing
 - 5.23. Role of cooperatives in agriculture development in Nepal
 - 5.24. Research methodology in agriculture (basic concepts, common designs and their application)
 - 5.25. Trade liberalization and its implication in Nepalese agricultural product
 - 5.26. Value chain development: concepts and practices in agriculture
 - 5.27. Postharvest management of agricultural commodities



- 5.28. Farming system and sustainable agriculture development
- 5.29. Gender Equity and Social Inclusion(GESI) and women's role in Nepalese agriculture
- 5.30. Conservation agriculture: concept, principles and practices

6. Miscellaneous (8 marks)

- 6.1. About Municipality (Geography, culture, tradition)
- 6.2. नेपाली शुद्धशुद्धि सम्बन्धि
- 6.3. English proficiency (Vocabulary, Agreement, tense, parallel structures, clauses)
- 6.4. Computer Knowledge (MS-Word, MS-Excel, MS-Powerpoint, Gmail)