

गोदावरी नगरपालिका, नगर कार्यपालिकाको कार्यालय, कैलाली  
कृषि स्नातक अधिकृत पदको लिखित परीक्षाको पाठ्यक्रम

विषय	पूर्णाङ्क	उत्तिर्णाङ्क	परीक्षा प्रणाली	प्रश्न संख्या*अङ्क	समय
General Awareness & General Reasoning Test, General Technical Subject and Technical Subject	१००	४०	बस्तुगत बहुबैकल्पिक प्रश्न (MCQs)	१०० प्रश्न*१ अङ्क	१ घण्टा १५ मिनेट
अन्तर्वार्ता	२०	-	मौखिक	-	३० मिनेट

**General Subject**

**General Awareness & General Ability Test**

**1. General Awareness and Contemporary Issues**

- 1.1 Physical, socio-cultural and economic geography and demography of Nepal
- 1.2 Major natural resources of Nepal
- 1.3 Geographical diversity, climatic conditions, and livelihood & lifestyle of people
- 1.4 Notable events and personalities, social, cultural and economic conditions in modern history of Nepal
- 1.5 Current periodical plan of 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, organisational 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 Reasoning Test**

**2.1 Logical Reasoning**

Verbal Ability, Alphanumeric Series, Reasoning Analogies, Classification, Coding-Decoding, Order & Ranking, Distance & Directions, Analytical and Logical Reasoning, Assertion and Reason, Statement and Conclusion, Input-Output, Venn- diagram

**2.2 Numerical Reasoning**

Arithmetic Series, Analogy, Classification, Arithmetical Reasoning, Fraction, Percentage, Ratio, Average, Profit & Loss, Time & Work, Date & Calender, Data Sufficiency, Data Interpretation & Data Verification

**2.3 Spatial Reasoning**

Figure Series, Figure Analogy, Figure Classification, Figure Matrix, Pattern Completion, Embedded Images, Image Formation & Analysis, Mirror and Water Images, Cubes and Dices, Paper Folding & Cutting

## General Technical Subject

1. **History and Current Status of Agriculture Sector in Nepal**
  - 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**
  - 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**
  - 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**
- 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**
- 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 plant protection
- 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
- 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