

लोक सेवा आयोग
नेपाल कृषि सेवा, फूड न्यूट्रिशन एण्ड क्वालिटी कन्ट्रोल समूह, राजपत्र अनंकित
प्रथम श्रेणीका प्राविधिक सहायक पदको खुला प्रतियोगितात्मक
परीक्षाको पाठ्यक्रम

यस पाठ्यक्रमलाई दुई भागमा विभाजन गरिएको छ ।

भाग	परीक्षा	विषय	पूर्णाङ्क	प्रश्न संख्या	समय	परीक्षा प्रणाली	उत्तीर्णाङ्क
१	लिखित	सेवा सम्बन्धी	१००	५०	४५ मिनेट	वस्तुगत बहुउत्तर	४०
२	अन्तर्वार्ता		२०				

१. यथासम्भव पाठ्यक्रमका सबै एकाइबाट प्रश्नहरू सोधिनेछन् ।
२. लिखित परीक्षामा गल्ती गरेको प्रश्नोत्तरका लागि २० प्रतिशत अङ्क कट्टा गरिने छ ।
३. पाठ्यक्रम लागू हुने मिति २०५८/९/१७

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समय :- ४५ मिनेट

प्रश्नसंख्या :- ५०

पूर्णाङ्क :- १००

1 Food Technology

1.1 Principle of food preservation

- Grading, Blanching, Canning, Bottling, Freezing, Drying, Pickling, Curing, Chemical Preservatives.

1.2 Food Chemistry and Nutrition

- Carbohydrates, Aminoacids, Lipids, Minerals, Vitamins, Water, Content of foods, Acid food and non-acid food.
- Nutritional Significance of Food Products, Malnutrition, Balanced Diet.

1.3 Food Microbiology

- Bacteria, Yeasts and Molds, Food Pathogens and useful microorganisms, and their effect on perishability of foods.

2 Laboratory Analysis of Food Products

- Acid, Base and Buffer Solutions, Indicators, pH of a Solution, Normality, Molecular Weight, Gravimetric and Titrimetric Methods of Analysis, Solubility.
- Endothermic and Exothermic Reactions.
- Osmosis, Osmolarity, Osmotic Pressure, Hydrogen Bonds, Food Compositional. Analysis, Estimation of Moisture, Solvents, Organic Acid, Mineral Acids, Errors in Analytical Performance, Interpretation of Results and Correct Unit, Identification of glucose, fructose and sucrose.

3 Food Quality Control

- Food Act, 2023
- Food Regulation, 2027
- Food Standards Formulation Process.
- The Role of Public Analysts and Food Inspectors.
- District Government Advocate Office and Chief District Officers in the administration of the Food Regulation.
- Role of consumers versus Food Quality Control.
- Feed Act, 2033.
- Feed Regulation, 2041

Model Questions

1. Which is the ancient method of food preservation?
(A) Canning (B) Bottling (C) Drying (D) Refrigeration
2. Which is a food enzyme?
(A) Glucose (B) Amylose (C) Amytopectin (D) Amylase
3. Goitre is an endemic disorder caused by deficiency of
(A) Sugar (B) Honey (C) Iodine (D) Ghee
4. The strength of acid is expressed by
(A) Percentage (B) Gram (C) Kilogram (D) Normality