

## खाद्य प्रविधि तथा गुण नियन्त्रण विभाग

नेपाल कृषि सेवा, फूड न्यूट्रिशन एण्ड क्वालिटी कन्ट्रोल समूह, राजपत्र अनकित प्रथम श्रेणी, प्राविधिक सहायक

पदको प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

सेवा सम्बन्धित कार्य-ज्ञान (Job Based Knowledge)

### बहुवैकल्पिक प्रश्नपत्र

#### 1. Principle of food preservation

- 1.1 Grading
- 1.2 Blanching
- 1.3 Canning
- 1.4 Bottling
- 1.5 Freezing
- 1.6 Drying
- 1.7 Pickling
- 1.8 Curing
- 1.9 Chemical Preservatives

#### 2. Food Chemistry and Nutrition

- 2.1 Carbohydrates
- 2.2 Amino acids
- 2.3 Lipids
- 2.4 Minerals
- 2.5 Vitamins
- 2.6 Water
- 2.7 Content of foods
- 2.8 Acid food and non-acid food
- 2.9 Nutritional Significance of Food Products, Malnutrition, Balanced Diet

#### 3. Food Microbiology

- 3.1 Bacteria, Yeasts and Molds
- 3.2 Food Pathogens and Useful microorganisms
- 3.3 Perishability of foods

#### 4. Laboratory Analysis of Food Products

- 4.1 Acid, Base and Buffer Solutions
- 4.2 Indicators, pH of a Solution
- 4.3 Normality, Molecular Weight
- 4.4 Gravimetric and Titrimetric Methods of Analysis
- 4.5 Solubility
- 4.6 Endothermic and Exothermic Reactions
- 4.7 Osmosis, Osmolarity, Osmotic Pressure
- 4.8 Hydrogen Bonds
- 4.9 Food Compositional

- 4.10 Analysis, Estimation of Moisture
- 4.11 Solvents
- 4.12 Organic Acids
- 4.13 Mineral Acids
- 4.14 Errors in Analytical Performance
- 4.15 Interpretation of Results and Correct Unit
- 4.16 Identification of glucose, fructose and sucrose

## 5. Food Quality Control

- 5.1 Food Safety and Quality Act, 2081
- 5.2 Food Regulation, 2027
- 5.3 Feed Act, 2033
- 5.4 Feed Regulation, 2041
- 5.5 Food Standards Formulation Process
- 5.6 The Role of Public Analysts and Food Inspectors
- 5.7 Role of consumers versus Food Quality Control
- 5.8 District Government Advocate Office and Chief District Officers in the administration of the Food Regulation

### द्रष्टव्यः

१. प्रश्नपत्रमा जम्मा ५० वटा प्रश्न रहनेछन्।
२. प्रत्येक प्रश्नको अंकभार २ अंकको हुनेछ।
३. प्रत्येक शीर्षकबाट कम्तीमा एउटा प्रश्न आउने गरी प्रश्नपत्र तयार गरीनेछ।
४. प्रश्नपत्रको पूर्णाङ्क १०० हुनेछ र उत्तीणाङ्क ४० हुनेछ।
५. लिखित परीक्षामा उत्तीर्ण भएका उम्मेदवारहरू मात्र अन्तर्वार्ता परीक्षामा समावेश हुन पाउनेछन्।