#### लोक सेवा आयोग

# नेपाल आर्थिक योजना तथा तथ्याङ्क सेवा, तथ्याङ्क समूह राजपत्रांकित द्वितीय श्रेणी, खुला र आन्तरिक प्रतियोगितातमक लिखित परीक्षाको पाठ्यक्रम

### द्वितीय पत्र :- प्राविधिक विषय

#### 1. Introduction

- 1.1 Historical Development of Statistics
- 1.2 Role of statistical Methods in Research
- 1.3 Role of Statistics in Planning and Decision Making
- 1.4 Probability and Decision Making

## 2. Basic Principles, Concepts and Methods

- 2.1 Central Limit Theorem
- 2.2 Estimation and Forecasting Techniques
- 2.3 Concept of a Good Estimator
- 2.4 Census and Sampling Techniques
- 2.5 Statistical Tests for Significance of Relationship
- 2.6 Regression Analysis and Forecasting Techniques

## 3. Data Related Activities

- 3.1 Data Gathering Processes
- 3.2 Questionnaire Design
- 3.3 Data Management Systems
- 3.4 Methods and Techniques of Data Summarization/Analysis
- 3.5 Information Retrieval and Dissemination System
- 3.6 Errors in Surveys and Censuses: Control and Measurement of Errors
- 3.7 Quality Evaluation of Data

## 4. Statistical System of Nepal

- 4.1 National Statistical System
- 4.2 Major Statistical Agencies
  - 4.2.1 Central Bureau of Statistics (CBS)
  - 4.2.2 Ministries and other government Agencies Related to Statistical Activities
- 4.3 Statistical functions of Nepal Rashtra Bank (NRB)
- 4.4 Statistical Functions of Universities and Non governmental organizations

### 5. Agriculture, Fishery and Forestry Statistics of Nepal

- 5.1 Major Sources of Agricultural Statistics
- 5.2 Agricultural Censuses
- 5.3 Crops and Livestock Surveys
- 5.4 Forestry Statistics
- 5.5 Agricultural Perspective Plan

#### 6. National Accounts Statistics of Nepal

- 6.1 System of National Accounts(SNA)
- 6.2 Importance of National Account Estimates
- 6.3 Present System of National Accounts Estimation
- 6.4 Gaps and Challenges in the SNA

### 7. **Population Statistics of Nepal**

7.1 Major Sources of Population Data

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- 7.2 Composition and Distribution of Population
- 7.3 Trends of Fertility, Mortality and Migration
- 7.4 Population Growth and Population Projection

## **8** Social Statistics of Nepal

- 8.1 Major Sources of Social Statistics
- 8.2 Health, Education and Social Welfare Statistics
- 8.3 Other Social Statistics

# 9 Income, Price and Indices Statistics of Nepal

- 9.1 Major Sources of Poverty Statistics
- 9.2 Nepal Living Standards Surveys
- 9.3 Poverty Measuring Practices
- 9.4 Concept of Price Statistics
- 9.5 Price Indices

### 10. Labour and Employment Statistics of Nepal

- 10.1 Major Sources of Labour and Employment Statistics
- 10.2 Nepal Labour Force Surveys
- 10.3 Employment, Unemployment and Underemployment Statistics
- 10.4 Occupation and Industry Classification
- 10.5 Child Labour Statistics

### 11. Industry, Trade and Services Statistics of Nepal

- 11.1 Major Sources of Data
- 11.2 Manufacturing Establishment Surveys
- 11.3 Internal and International Trade Statistics
- 11.4 Energy Statistics
- 11.5 Irrigation and Water Statistics
- 11.6 Other Establishment Surveys

### 12. Public Finance, Money and Banking Statistics of Nepal

- 12.1 Major Sources of Data
- 12.2 Revenue Statistics
- 12.3 Money and Banking Statistics

### 13. Other Statistics of Nepal

- 13.1 Environmental Statistics
- 13.2 Tourism Statistics
- 13.3 Gender Statistics

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