नेपाल विद्युत प्राधिकरण

प्रशासन सेवा, विविध समूह, तथ्यांकशास्त्र उपसमूह, तह–९, उप निर्देशक पदको
खुला तथा आन्तरिक प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम

द्वितिय पत्र: सेवा सम्वन्धी बिस्तृत ज्ञान

खण्ड कः   (२x१५=३०, १x२०=२०) -   ५० अंक

1 Introduction
   1.1   Historical development of statistics
   1.2   Role of statistics in physical, biological, medical, industry, information technology, agriculture, management, engineering, insurance, education, psychology, and social sciences.
   1.3   Role of statistics in planning and decision making
   1.4   Fundamental Principles of official Statistics

2 Statistical System of Nepal
   2.1   National statistical system
   2.2   Major statistical agencies
      2.2.1   Central Bureau of Statistics (CBS)
      2.2.2   Ministries and other government agencies related to statistical activities
      2.2.3   Statistical function of Nepal Rastra Bank
      2.2.4   Universities and governmental organisations
   2.3   Role of International/National organisations, NGo/INGOs, Private sector, Civil society in collection, Processing and Utilisation of data

3 Basic Principles, Concepts and Methods
   3.1   Central Limit Theorem
   3.2   Estimation and Forecasting Techniques
   3.3   Concept of a Good Estimator
   3.4   Census and Sampling Techniques
   3.5   Statistical Tests for Significance of Relationship
   3.6   Regression Analysis and Forecasting Techniques

4 Data Related Activities
   4.1   Data gathering processes
   4.2   Data management system
   4.3   Methods and techniques of data summarisation/analysis
   4.4   Information retrieval and dissemination system
   4.5   Data protection system
   4.6   Errors in surveys and censuses: Controls and measurement of errors

5 National Accounts Statistics of Nepal
   5.1   Concept of System of National Accounts (SNA)
   5.2   Importance of National Account Estimates
   5.3   Present System of National Accounts Estimation
   5.4   Gaps and Challenges in the SNA

5.5   Policies and Measures Necessary to Resolve the Existing Problems

6   Population statistics of Nepal
6.1   Major sources of population data

6.2   Population censuses of Nepal

6.3   Composition and distribution of population

6.4   Trends of fertility, Mortality, and Migration

6.5   Population growth, population projection, ageing

खण्ड ख: (२x१५=३०, १x२०=२०) -   ५० अंक

7   Social Statistics of Nepal
7.1   Major Sources Social Statistics

7.2   Health, Education and Social Welfare Statistics

7.3   Other Social Statistics

8   Income, Price and Indices Statistics of Nepal
8.1   Major sources of poverty Statistics

8.2   Poverty Measuring Practices

8.3   Concept of Price Statistics

8.4   Price Indices

8.5   Poverty Reduction Strategies in the Development plans

9   Labour and Employment Statistics of Nepal
9.1   Major Sources of Labour and Employment Statistics

9.2   Employment, Unemployment and Underemployment Statistics

9.3   Occupation and Industry Classification

9.4   Child Labour Statistics

9.5   Wage Rate Statistics

10   Industry, Trade and Services Statistics of Nepal
10.1   Major Sources of Data

10.2   Energy Statistics

10.3   Irrigation and Water Statistics

10.4   Establishment Surveys

10.5   Internal and International Trade Statistics

11   Public Finance, Money and Banking Statistics of Nepal
11.1   Major Sources of Data

11.2   Revenue Statistics

11.3   Money and Banking Statistics

11.4   Financial Statistics

12   Other Statistics of Nepal
12.1   Agricultural Statistics

12.2   Forestry statistics

12.3   Environmental Statistics

12.4   Tourism Statistics

12.5   Gender Statistics

13 Policies and Plans

 13.1 Consolidated National Statistical Plan

 13.2 Directive Principles, 2050

 13.3 Existing Statistical act and rules of Nepal

14 Related Other Issues

 14.1 Importance of Data Bank, GIS Mapping, Poverty mapping, Digital Data, Log Frame/Indicator in Planning and economic growth

 14.2 Nature and current status of Energy, Poverty and Human resources related indices

♦