

**2021**

**ECONOMICS — HONOURS**

**Paper : SEC-A-1**

**(Data Analysis)**

**Full Marks : 80**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

**Group – A**

Answer *any ten* questions.

2×10

1. Distinguish between a variable and an attribute.
2. What do you mean by a Sample?
3. Mention the points one should take care of while drawing up a tabular presentation.
4. Distinguish between a parameter and a statistic.
5. What is a simple random sample?
6. Write the formula of Mode for Group Data.
7. What is meant by population census for India?
8. How would you differentiate between a spreadsheet programme and a statistical package?
9. Name any two important statistical packages.
10. What is Modified Mixed Reference Period MPCE in NSS data?
11. Mention the base year with respect to which the official estimates of national income were first compiled in India. What is the most recent base year in this regard?
12. Mention the data source for Net State Value Added by Economic Activity for individual states and Union Territories in India at any constant base year.
13. What do you mean by Reference Period in Household Consumer Expenditure Survey?
14. What is meant by random sampling numbers?
15. Explain the concept of labour force as per NSS data on employment and unemployment situation in India.

**Please Turn Over**

**Group – B**

Answer *any four* questions.

16. Discuss briefly the objectives of National Population Register. 5
17. Explain the concepts of population, sampling unit and sampling frame for conducting a sample survey on, say, “economic condition of parents of students in a Kolkata-based college”. 5
18. Mention the data source for bankwise information on liabilities, assets, earnings and expenses of scheduled commercial banks in India. Briefly describe any two features of this database. 1+4
19. Distinguish, giving examples, between cross-section data and time-series data. 5
20. Explain the concept of MPCE as per NSS data. What is meant by percentile and fractile classes of an MPCE distribution? 2+3
21. Distinguish between primary and secondary data. 5

**Group – C**

Answer *any four* questions.

22. Describe in brief the Sample Registration System in India. In so doing focus on (a) its objectives, (b) forms or schedules prescribed, (c) continuous enumeration in the field of investigation. 10
  23. Distinguish between complete enumeration and sampling in collecting data. Why should one prefer sampling to complete enumeration? 3+7
  24. Consider a bivariate distribution of your own choice. Can you describe the detailed steps to determine (a) the correlation coefficient, (b) two regression coefficients and (c) the regression equation using any one of the following statistical package : STATA, R, SPSS, Eviews, MS-Excel? 3+3+4
  25. What are the basic objectives of NSSO, India for carrying out survey on employment and unemployment situation? Briefly explain the stratified multi-stage sample design for the 68th round survey, focussing on the sample size, the first stage units and the ultimate stage units for both the rural and the urban sectors. 4+6
  26. Briefly describe the major findings of post enumeration survey in respect of 2011 population census. 10
  27. What is meant by subjective Sampling? Explain the uses of this kind of sampling in practice. 5+5
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