2020

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. What do you mean by Attribute?

2. What is the difference between Observed Value and True Value?

3. Briefly explain the concept of Complex Tabulation.

4. Mention one use of Pictogram.

5. What do you mean by Coverage Error in Census? What is the amount of Coverage Error in 2011 Census?

6. What does the PES Report of Census represent?

7. What is the difference between Absolute Error and Relative Error?

8. What do you mean by Standard Error of Sample Mean?

9. What do you mean by Non-Sampling Error?

10. 'Random Sampling is Sampling in a Haphazard Manner.' – True or False? Briefly explain your answer.

11. What do you mean by Household according to NSS?

12. What is Modified Mixed Reference Period MPCE in NSS data?

13. Define Gram Products according to NSS.

14. What do you mean by Livestock?

15. How do you calculate Standard Deviation of some observations in MS-Excel using Excel Function?

Please Turn Over

Group - B

Answer *any four* questions. 5×4

16. Discuss something about the Law of Statistical Regularity.

17. Examine whether the following variables are Discrete or Continuous :
    (a) Age of a Person
    (b) Size of Land Holding
    (c) Size of Family
    (d) Temperature
    (e) Monthly Sales in a Shop.

18. Describe step by step the method of Ordinary Least Square (OLS) Estimation in any one of the packages given below :

    STATA, R, SPSS, Eviews, MS-Excel.

19. What are the main purposes for creating Consolidated Accounts of a Nation?

20. What are the components of Capital Account under the External Transaction Account Categories?

21. From where do we get the State Wise Net Value Added Data (at Constant Price) of India? Briefly discuss the two limitations of this database.

Group - C

Answer *any four* questions.

22. State the various reasons why Errors are made in the interpretation of Statistical Data and indicate how to guard against such errors. 5+5

23. Explain clearly the distinction between the Natural Scale and the Logarithmic Scale used in graphical presentation of data. 10

24. What is meant by Stratified Random Sampling? Explain the procedure and advantages of Stratification. 5+5

25. What are the objectives of Consumer Expenditure Survey of NSS? Briefly discuss about Sample Size at First Stage and Second Stage Units of NSS 68th Round Data. 6+4

26. Discuss something about New Consumer Price Index (Combined) which is adopted by Central Bank as the Key Measures of Inflation. Do you think this New Consumer Price Index (Combined) is more suitable for measuring inflation in terms of all policy purposes than Wholesale Price Index (WPI)? 7+3

27. Write short notes on *any two* : 5×2
    (a) Statistical Unit
    (b) Pie Diagram
    (c) National Industrial Classification Code (NIC Code)
    (d) Primary Features of the Census 2011 Questionnaire.

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