K22P 3220

IV Semester M.A. Degree (CBSS – Reg./Supple./Imp.) Examination, April 2022
(2018 Admission Onwards)
ECONOMICS/APPLIED ECONOMICS/DEVELOPMENT ECONOMICS
ECO4E13 : Research Methodology and Computer Application

Time : 3 Hours

Max. Marks : 60

PART – A

Choose the correct answer. Answer **all** questions. **All** questions carry **equal** marks.

1. Type-I Error occurs if
   a) the null hypothesis is rejected even though it is true
   b) the null hypothesis is accepted even though it is false
   c) both the null hypothesis as well as alternative hypothesis are rejected
   d) none of the above

2. Non-sampling error can be reduced by
   a) increasing sample size
   b) decreasing sample size
   c) by giving proper training to the investigator
   d) none of these

3. How would you use the drop down menu in SPSS to generate a frequency table ?
   a) Open the output viewer and click : save as: frequency
   b) Open the variable viewer and recode the value labels; frequency
   c) Click on: graphs; frequencies; Pearson
   d) Click on: Analyze; Descriptive statistics; frequencies

4. Which of the following channels of communication would not be used when conducting interviews ?
   a) face-to-face
   c) mail
   b) telephone
   d) chat room

5. Which of the following sampling technique uses the practice of double sampling ?
   a) Purposive
   b) Stratified
   c) Simple random
   d) Cluster sampling

6. How many coefficients do you need to estimate in a simple linear regression model (One independent variable) ?
   a) 1
   b) 2
   c) 3
   d) Can't say

7. Which of the following sampling method is the most scientific one ?
   a) convenient
   b) snow ball
   c) cluster
   d) multistage stratified random

8. Property of symmetry is satisfied and valid for general case of
   a) Ranges
   b) Variance
   c) Correlation
   d) Both b and c

(½×8=4)

PART – B

Answer **any eight** questions. **Each** question carries **2** marks and should **not** exceed **1** page **each**.

9. Prepare a brief note on the measures of central tendency.

10. Distinguish between references and bibliography.

11. On what way social science research and its generalizations are different from natural science research ?

12. Distinguish between qualitative and quantitative research.

13. What is meant by hypothesis ?

14. Distinguish between type-I error and type-II error.

15. Examine the relevance of literature survey in social science research.

16. What is Gretl ?

17. Distinguish between single and multiple regression.

18. Distinguish between sampling error and non-sampling error.

19. Discuss the participant and non-participant observation method.

(8×2=16)

PART – C

Answer **any** 4 questions. **Each** question carries **5** marks and should **not** exceed **2** and **half** pages.

20. Explain the contents of a good research report.

21. Explain how descriptive statistics are prepared using MS-Excel.

22. What is SPSS ? Explain the uses of SPSS.

23. Explain the various steps and process involved in the formulation of a research problem.

24. Analyze the use, characteristics and type of hypothesis in a social science research.

25. What is meant by trend analysis ? Explain the estimation procedure of trend by MS-Excel.

(4×5=20)

PART – D

Answer **any** 2 questions. **Each** question carries **10** marks and should **not** exceed **6** pages.

26. What are the uses of different statistical packages like SPSS and Gretl in data analysis ?

27. Make a brief survey on different probability and non-probability sampling techniques.

28. Analyze the relative merits and demerits of different methods of collecting primary and secondary data.

29. What are the different types of research ? Which type of research is suitable for social science research ?

(2×10=20)