



K22P 3220

Reg. No. :

Name :

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.

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

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- Which of the following sampling technique uses the practice of double sampling ?
 - a) Purposive
 - b) Stratified
 - c) Simple random
 - d) Cluster sampling
- 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
- Which of the following sampling method is the most scientific one ?
 - a) convenient
 - b) snow ball
 - c) cluster
 - d) multistage stratified random
- Property of symmetry is satisfied and valid for general case of
 - a) Ranges
 - b) Variance
 - c) Correlation
 - d) Both b and c

(1/2×3=4)

PART – B

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

- Prepare a brief note on the measures of central tendency.
- Distinguish between references and bibliography.
- On what way social science research and its generalizations are different from natural science research ?
- Distinguish between qualitative and quantitative research.
- What is meant by hypothesis ?
- Distinguish between type-I error and type-II error.
- Examine the relevance of literature survey in social science research.
- What is Gretl ?
- Distinguish between single and multiple regression.
- Distinguish between sampling error and non-sampling error.
- Discuss the participant and non-participant observation method.

(3×2=16)



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PART – C

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

- Explain the contents of a good research report.
- Explain how descriptive statistics are prepared using MS-Excel.
- What is SPSS ? Explain the uses of SPSS.
- Explain the various steps and process involved in the formulation of a research problem.
- Analyze the use, characteristics and type of hypothesis in a social science research.
- 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.

- What are the uses of different statistical packages like SPSS and Gretl in data analysis ?
- Make a brief survey on different probability and non-probability sampling techniques.
- Analyze the relative merits and demerits of different methods of collecting primary and secondary data.
- What are the different types of research ? Which type of research is suitable for social science research ?

(2×10=20)