

- Answer any 4 questions. Each question carries 5 marks and should not exceed 2 and half pages.
20. Discuss the various methods for reducing sampling errors and non-sampling errors.
21. Explain the various steps in the estimation of growth rate and trend estimators using MS-EXCEL.
22. Examine the relative merits and demerits of SPSS and Gretl in data analysis.
23. What are the important features of social science research?
24. Distinguish between correlation and regression. What are the important steps involved in regression analysis using SPSS package?
25. What are the important elements of a good research report?

(4×5=20)

- Answer any 2 questions. Each carries 10 marks and should not exceed 6 pages.
26. What are the advantages and disadvantages of primary data? Examine the important methods of collecting primary data.
27. What are the important probability sampling methods? Discuss the merits of combining probability and non-probability sampling methods.
28. Explain the various steps involved in social science research.
29. Prepare a detailed note on the uses of MS-Excel, SPSS and Gretl in data analysis.

(2×10=20)



Reg. No. :

Name :



IV Semester M.A. Degree (CBSS – Reg./Suppl./Imp.) Examination, April 2020
(2014 Admission Onwards)

ECONOMICS/APPLIED ECONOMICS/DEVELOPMENT ECONOMICS
ECO4 E13 : 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.

- In SPSS data sheet, string type variable can accommodate
 - Numbers only
 - Letters only
 - Both letters and numbers
 - None of these
- Any numerical value computed from the sample is called
 - Statistic
 - Error
 - Sampling error
 - Parameter
- In which sub dialog box can the Chi-square test be found?
 - Frequencies : Percentages
 - Bivariate : Pearson
 - Cross tab : Statistics
 - Variable view
- Tippit table refers to
 - Table of random digits
 - Table used in sampling methods
 - Table used in statistical investigations
 - All of these
- "The introduction of 5 days of work in a week leads to increased productivity particularly among female workers by improving job satisfaction" in this statement, improving job satisfaction is the
 - Dependent variable
 - Independent variable
 - Moderating variable
 - Intervening variable



6. Combining of qualitative and quantitative method for collecting data is known as
- Triangulation
 - Component sorts
 - Dyadic system
 - Projection
7. All the following are probability sampling techniques except
- Simple random
 - Purposive
 - Stratified
 - Systematic random
8. To test linear relationship of y(dependent) and x (independent) continuous variables, which of the following plot best suited ?
- Scatter plot
 - Bar chart
 - Histograms
 - None of these

(8×1/2=4)

PART – B

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

- Distinguish between Variable View and Data View in SPSS.
- Distinguish between bibliography and references.
- What is meant by research design ?
- Analyse the importance of MS-Excel in data analysis.
- Describe the characteristics of dependent and independent variable in multiple regression and logistic regression.
- Analyse the importance of literature review in social science research.
- Distinguish between descriptive and analytical research.
- Analyse the purpose of research problem in social science research.
- Examine the situations where snow ball sampling is useful.
- When sample is preferred over census ?
- Distinguish between inferential statistics and descriptive statistics.

(8×2=16)



PART – C

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

- Discuss the various methods for reducing sampling errors and non-sampling errors.
- Explain the various steps in the estimation of growth rate and trend equations using MS-EXCEL.
- Examine the relative merits and demerits of SPSS and Gretl in data analysis.
- What are the important features of social science research ?
- Distinguish between correlation and regression. What are the important steps involved in regression analysis using SPSS package ?
- What are the important elements of a good research report ?

(4×5=20)

PART – D

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

- What are the advantages and disadvantages of primary data ? Examine the important methods of collecting primary data.
- What are the important probability sampling methods ? Discuss the merits of combining probability and non-probability sampling methods.
- Explain the various steps involved in social science research.
- Prepare a detailed note on the uses of MS-Excel, SPSS and Gretl in data analysis.

(2×10=20)