

FOURTH SEMESTER M.A. DEGREE EXAMINATION, MARCH 2020

(CUCSS)

Economics

ECO 4C 27—RESEARCH METHODOLOGY AND COMPUTER APPLICATIONS

Time : Three Hours

Maximum : 36 Weightage

Part A*Answer all questions.**Each question carries ¼ weightage.*

1. _____ research aims to provide solution for an immediate problem facing a society.
(a) Descriptive. (b) Applied.
(c) Empirical. (d) Fundamental.
2. Among the following which is highly related to ROL :
(a) Methods. (b) Problem.
(c) Research gap. (d) Techniques.
3. Which principle is not related to experimental design ?
(a) Replication. (b) Randomization.
(c) Local control. (d) Enumeration.
4. _____ is a relatively more complicated scaling device.
(a) Single. (b) Complicated.
(c) Multi-dimensional. (d) Simple.
5. Observation in the natural setting is _____.
(a) Controlled. (b) Uncontrolled.
(c) Personal. (d) Interpersonal.
6. A popular method of primary data collection is _____.
(a) Observation. (b) Interview.
(c) Case study. (d) Questionnaire.

Turn over

7. Co-efficient of standard deviation is a _____ measure.
- (a) Absolute. (b) Co-efficient.
(c) Relative. (d) Standard.
8. Value of middle item is _____.
- (a) Mode. (b) Mean.
(c) Range. (d) Medium.
9. In the normal curve _____.
- (a) $x = M \neq Z$. (b) $x = M = Z$.
(c) $x \neq M \neq Z$. (d) $x \neq M = Z$.
10. Series of successive observation of a given phenomena is _____.
- (a) Index number. (b) Correlation.
(c) Time series analysis. (d) Regression.
11. Secular trend shows the direction of _____ analysis.
- (a) Cross sectional. (b) Oscillation.
(c) Time series. (d) Irregular.
12. Accept H_0 when it is false is _____ error.
- (a) Type I. (b) Type II.
(c) Both (a) and (b). (d) None of these.

(12 × ¼ = 3 weightage)

Part B (Very Short Answer Type Questions)

Answer any five questions.

Each question carries a weightage of 1.

13. Explain the objectives and motivation in research ?
14. Compare applied and fundamental research ?
15. What is primary data ? How it is different from secondary data ?
16. What is systematic sampling ?

17. What are the different measurement scales ?
18. Write a note on measures of dispersion ?
19. Compare statistic and parameter ?
20. Explain the general outline of a popular report ?

(5 × 1 = 5 weightage)

Part C (Short Answer Type Questions)

Answer any eight questions.

Each question carries a weightage of 2.

21. What are the different steps in report writing ?
22. Explain the important non-parametric tests used in practice ?
23. Explain the procedure for hypothesis testing ?
24. Explain estimation ?
25. Explain the concept of standard error ?
26. Explain the element of analysis ?
27. Explain the processing operations in research ?
28. What are the factors keeping in view for selecting the appropriate method for data collection ?
29. Explain the difference between questionnaire and schedules ?
30. Explain the steps in sample design ?
31. Explain the important experimental designs ?

(8 × 2 = 16 weightage)

Part D (Essay Type Questions)

Answer any three questions.

Each question carries a weightage of 4.

32. Define research ? What are the different classifications of research ?
33. Briefly explain the different steps in the research process ?
34. What is data ? Explain the different methods of data collection ?
35. What is hypothesis ? Explain standard test of hypothesis ?
36. Explain the role of Excel and SPSS in research ?

(3 × 4 = 12 weightage)