

**FOURTH SEMESTER M.A. DEGREE EXAMINATION, JUNE 2018**

(CUCSS)

Economics

ECO 4C 27—RESEARCH METHODOLOGY AND COMPUTER APPLICATIONS

(2015 Admissions)

Time : Three Hours

Maximum : 36 Weightage

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

Multiple Choices :

1. A reasoning where we start with certain particular statements and conclude with a universal statement is called :
  - (a) Normal reasoning.
  - (b) Deductive reasoning.
  - (c) Inductive reasoning.
  - (d) Transcendental reasoning.
2. Which of the sampling method yields more efficient results when the population is heterogeneous ?
  - (a) Cluster sampling.
  - (b) Stratified sampling.
  - (c) Random sampling.
  - (d) Purposive sampling.
3. Research that is done to understand an event from the past is known as :
  - (a) Experimental research.
  - (b) Historical research.
  - (c) Ethnography.
  - (d) Correlational research.
4. Research design of a study should not include :
  - (a) Objectives.
  - (b) Hypothesis.
  - (c) Findings.
  - (d) Blue print of research.
5. Which of the following cannot be considered a quality of a good hypothesis ?
  - (a) Clarity.
  - (b) Modifiability.
  - (c) Plausibility.
  - (d) Verifiability.

6. Qualitative analysis is not at all used in :
- (a) Descriptive research. (b) Ethnographical research.  
(c) Experimental research. (d) Historical research.
7. The first page of the research report is :
- (a) Acknowledgement page. (b) Index page.  
(c) Title page. (d) None of these.
8. Median is :
- (a) Most frequent value. (b) Least frequent value.  
(c) Centre of gravity. (d) Middle most value.
9. Given the following series, the value of mode is 5, 6, 3, 2, 8, 4, 7, 9, 1, 10, 11, 12, 13 :
- (a) 13. (b) 12.  
(c) 9. (d) Not defined.
10. Standard deviation is always computed from :
- (a) Arithmetic Mean. (b) Mode.  
(c) Median. (d) Geometric Mean.
11. In a given distribution. Mean = 20, SD = 16, the coefficient of variation is :
- (a) 320 %. (b) 80 %.  
(c) 15 %. (d) Zero.
12. The number of elements in an obtained sample is :
- (a) Sampling frame. (b) Sampling unit.  
(c) Sample design. (d) Sample size.

(12 × ¼ = 3 weightage)

**Part B (Very Short Answer Questions)**

*Answer any five questions.*

*Each question carries a weightage of 1.*

13. What is research design ?
14. Write a note on descriptive research.

15. Differentiate research methods and research methodology.
16. What is hypothesis ?
17. What do you mean by cross sectional studies ?
18. Deductive method.
19. What are the limitations of sampling technique ?
20. Find out the median of the following data :

Income (Rs)	:	100	150	80	200	250	180
No.of persons	:	24	26	16	20	6	30

(5 × 1 = 5 weightage)

### Part C (Short Answer Questions)

*Answer any eight questions.*

*Each question carries a weightage of 2.*

21. Explain the importance of social science research in the modern context.
22. What are the limitations of scientific method ?
23. Explain the steps involved in historical research.
24. Explain the meaning and significance of a research design.
25. What is Arithmetic Mean ? How it is computed in the case of grouped and ungrouped data ?
26. Briefly explain the relationship between theory and research.
27. Distinguish between pure and applied research.
28. Explain the relationship between qualitative and quantitative research.
29. What are the precautions to be taken while selecting a research topic ?
30. What are the different types of non-random sampling methods ?
31. What is SPSS ? Explain its uses in research work.

(8 × 2 = 16 weightage)

### Part D (Essay Questions)

*Answer any three questions.*

*Each question carries a weightage of 4.*

32. What is research ? Explain the various steps involved in research process.

**Turn over**

33. What are the various kinds of hypotheses ? Explain how we can check its truth.
34. What is Experimental method ? Explain the difficulties in the application of experimental method in social sciences with examples.
35. What is content analysis ? Explain the main steps involved in content analysis.
36. Explain the various measures of central tendency and illustrate the methods of calculating Mean, Median and Mode.

(3 × 4 = 12 weighthatge)