

16P425

(Pages: 3)

Name.....

Reg. No.....

FOURTH SEMESTER M.A. DEGREE EXAMINATION, MARCH 2018

(Regular/Supplementary/Improvement)

(CUCSS - PG)

CC15 PECO4 E13 – RESEARCH METHODOLOGY AND COMPUTER APPLICATIONS

(Economics)

(2015 Admission onwards)

Time: Three Hours

Maximum:36 Weightage

Part A

(Objective Type Questions)

Answer *all* questions. Each question carries $\frac{1}{4}$ weightage.

1. _____ refers to inferring about the whole population based on the observations made on a small part.
 - a. Deductive inference
 - b. Inductive inference
 - c. Pseudo-inference
 - d. Objective inference
2. What is the product name for spreadsheet feature of MS Office
 - a. MS Excel
 - b. MS Power Point
 - c. MS Word
 - d. MS Access
3. For the estimation of growth rate, the appropriate model is:
 - a. Linear model
 - b. lin-log model
 - c. Log-lin model
 - d. Double log model
4. What does SPSS stand for?
 - a. Statistical Package for the Social Sciences
 - b. Software for Professional Statistical Science
 - c. Software Package for the Social Sciences
 - d. None of these
5. Which of the following is a non- probability sampling technique?
 - a. Judgment Sampling
 - b. Cluster Sampling
 - c. Random Sampling
 - d. Stratified Sampling
6. 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 is rejected
 - d. None of the above

Turn Over

- 7. _____ is a preferred sampling method for the population with finite size.
 - a. Area sampling
 - b. Cluster sampling
 - c. Purposive sampling
 - d. Systematic sampling
 - 8. What effect does increasing the sample size have upon the sampling error?
 - a. It reduces the sampling error.
 - b. It increases the sampling error.
 - c. It has no effect on the sampling error.
 - d. None of the above.
 - 9. The first step in formulating a problem is
 - a. Statement of the problem
 - b. Gathering of Data
 - c. Measurement
 - d. Survey
 - 10. The menu for locating correlation in MS Excel is available in the _____ tab:
 - a. Formulas
 - b. Insert
 - c. Data
 - d. Page Layout
 - 11. Surveys and fact finding enquiries come under:
 - a. Ex post facto research
 - b. Ex ante research
 - c. One time research
 - d. Diagnostic research
 - 12. Which research refers to scientific study and research that seeks to solve practical problems?
 - a. Basic research
 - b. Applied research
 - c. Exploratory research
 - d. Descriptive research
- (12 x 1/4 = 3 weightage)**

Part B

(Very short answer type questions not exceeding one paragraph)
Answer any *five* questions. Each question carries **1** weightage.

- 13. What do you mean by applied research?
 - 14. Distinguish between null and alternative hypothesis.
 - 15. Define inductive and deductive methods.
 - 16. Write a brief note on interdisciplinary research.
 - 17. Explain the term random sampling.
 - 18. Explain the concepts of standard deviation and coefficient of variation.
 - 19. Define mean and median.
 - 20. Write a short note on regression.
- (5 x 1 = 5 weightage)**

Part C

(Short answer type questions not exceeding one page)
Answer any *eight* questions. Each question carries **2** weightage.

- 21. Describe the different methods of collecting data for research purposes.
- 22. Distinguish between scientific and social science research. What are the special features of social research?
- 23. Distinguish between cross-section, time series and panel data with examples.
- 24. Write a short note on research design.
- 25. Elaborate on historical and dialectical methods.
- 26. Discuss the important steps involved in writing a report.
- 27. Write a brief note on different methods of presenting data graphically in MS Excel.
- 28. Describe the method for fitting trend lines and estimating growth rates in spreadsheet applications.
- 29. What is the distinction between an experiment and survey?
- 30. Briefly describe the procedure for drawing inferences from economic analysis.
- 31. Write a shortnote on SPSS.

(8 x 2 = 16 weightage)

Part D

(Essay type questions not exceeding three pages)
Answer any *three* questions. Each question carries **4** weightage.

- 32. Explain the meaning and different types of research that are conducted commonly.
- 33. Describe fully the techniques of defining a research problem.
- 34. Elaborate on the different techniques of sampling used in social sciences research.
- 35. Conduct a critical comparison of case study method versus and questionnaire method of collecting data.
- 36. Describe the mathematical and statistical operations used in MS Excel.

(3 x 4 = 12 weightage)
