

(6 pages)

Reg. No. :

Code No. : 7924

Sub. Code : PCSM 34

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2019.

Third Semester

Computer Science – Core

RESEARCH METHODOLOGY

(For those who joined in July 2017 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Basic Assumption or postulates if any relating to research problem should be clearly stated
 - (a) Research problem
 - (b) Discussion
 - (c) literature
 - (d) none

2. The operation is usually done at the stage through which the categories of data is transformed into symbols that may be tabulated and counted is called
 - (a) Tabulation
 - (b) Coding
 - (c) Editing
 - (d) None
3. The technique that deals with the procedure specified in the sampling, statistical and observational design can be carried out by
 - (a) observational design
 - (b) statistical design
 - (c) operational design
 - (d) none
4. Statistical constants of the population are called as
 - (a) Variables
 - (b) Constants
 - (c) Parameters
 - (d) None
5. A system of assigning symbols to events in order to label them
 - (a) Ordinal scale
 - (b) Nominal scale
 - (c) Interval scale
 - (d) None

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6. MDS stand s for
 - (a) Multi Dimensional Scaling
 - (b) Multi Device Scaling
 - (c) Multi Division Sealing
 - (d) None
7. The interaction or inter-relationship of two facts affecting the value of a variable are called
 - (a) Anova
 - (b) two-way ANOVA
 - (c) variance
 - (d) none
8. Chance Sampling is a
 - (a) Stratified sample
 - (b) Systematic sample
 - (c) Probability sample
 - (d) None
9. A brief review of the main finding just in the two or three pages
 - (a) Summary
 - (b) reference
 - (c) conclusion
 - (d) none
10. Use of statistics, charts and graphs must available in the chapter called
 - (a) Implementation
 - (b) Result and Discussion
 - (c) Review
 - (d) None

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PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Discuss about types of Research.

Or
(b) What are the problems encountered by researchers in India?
12. (a) Explain the features of Good Design.

Or
(b) Give short note on two groups of simple randomized design.
13. (a) Briefly explain about classification of measurement Scales.

Or
(b) Discuss about Secondary Data collection.
14. (a) Explain Basic principles of ANOVA.

Or
(b) What do you mean by critical difference?

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15. (a) What are the precautions to be taken during Interpretation?

Or

- (b) Write the steps in the development of Algorithm.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Explain the steps involved in Research process.

Or

- (b) Explain the techniques involved in designing the problem.

17. (a) Explain about basic principles of Experimental Design.

Or

- (b) Explain in detail about Informal Experimental Design.

18. (a) Non Comparative Scaling Techniques. Explain.

Or

- (b) Explain the Interview methods in detail.

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19. (a) Explain about Two way ANOVA.

Or

- (b) Explain Latin Square Design.

20. (a) Explain types of Reports.

Or

- (b) Write the layout of the Research report?
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