

(6 pages)

Reg. No. :

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M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2023.

Third Semester

Computer Science — Core

RESEARCH METHODOLOGY

(For those who joined in July 2021–2022)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. ——— research in particular creates so many problems for the researchers.
- (a) Conceptual (b) Empirical
(c) Descriptive (d) Analytical

2. Which of the following is the important characteristic of good research design?
- (a) automatic
(b) irreplicable
(c) maximize the influence of extraneous variable
(d) minimum the influence effect of extraneous variables
3. Which research does not aim at testing the hypothesis?
- (a) Confounded (b) Formulative
(c) Relational (d) Conceptual
4. Which process draws conclusions by going from the specific to the general?
- (a) Prediction (b) Explanation
(c) Induction (d) Deduction
5. Which uses the principle of local control?
- (a) Factor design (b) CRD
(c) RBD (d) LSD
6. In which type of report the main emphasis is on the methods employed?
- (a) Technical (b) Popular
(c) Research (d) Press



7. Which represents stealing the ideas of another as one's own?

- (a) Patent (b) Royalty
(c) Plagiarism (d) Copyright

8. Which involves the application of fundamental ethical principles to research activities?

- (a) Copyright (b) Ethical issue
(c) Research ethics (d) Information security

9. Determine the use of teaching strategies is _____ phase.

- (a) pre-active (b) pro-active
(c) inter-active (d) post-active

10. Which of the following is not an effective way for presentation?

- (a) not relying on technology
(b) use visuals wisely
(c) consider audience
(d) presentation without plan

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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) Express the motivation and objectives of research.

Or

(b) List the features of good research design.

12. (a) Compare experimental and sample design.

Or

(b) Discuss about collection of secondary data.

13. (a) Illustrate online quantitative design and survey.

Or

(b) List the principles of sample survey.

14. (a) Summarize the application of results and ethics.

Or

(b) Give the application of plagiarism detection tools.

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15. (a) Compare the various methods of teaching.

Or

- (b) Describe later adolescent psychology.

PART C — (5 × 8 = 40 marks)

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

16. (a) Compare the different types of research.

Or

- (b) Discuss the importance of literature review.

17. (a) Explain about development of models.

Or

- (b) Express the way of execution of research.

18. (a) Explain RBD analysis.

Or

- (b) Discuss the importance of effective communication.

19. (a) Explain the trade related aspects of intellectual property rights.

Or

- (b) Discuss about reproducing published materials.

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20. (a) Explain the different phases of teaching.

Or

- (b) Describe the ways for effective presentation with PowerPoint.

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