

(6 pages)

Reg. No. :

Code No. : 30717 E Sub. Code : CMFC 51

B.Sc. (CRCS) DEGREE EXAMINATION,
NOVEMBER 2024.

Fifth Semester

Criminology and Forensic Science – Core

BASIC RESEARCH METHODS

(For those who joined in July 2022 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 x 1 = 10 marks)

Answer ALL the questions.

Choose the correct answer :

1. Which one among the following the researcher does not attempt?
 - (a) Exploratory
 - (b) Descriptive
 - (c) Diagnostic
 - (d) Corrective

2. Which of the following is true regarding research objectives?
 - (a) Provide sufficient earnings to obtain a reasonable return on investment
 - (b) Ensure the viability of the marketing research department
 - (c) Provide the information necessary to solve the problem
 - (d) Should be stated as goals to be sought
3. A Hypothesis is
 - (a) An Observation
 - (b) A Tentative generalization
 - (c) A Theory
 - (d) A Concept
4. _____ is concerned with discovering and testing certain variables with respect to their association or disassociation.
 - (a) Exploratory
 - (b) Descriptive
 - (c) Diagnostic
 - (d) Descriptive and diagnostic

5. Which technique is generally followed when the population is finite?

- Systematic Sampling Technique
- Purposive Sampling Technique
- Area Sampling Technique
- None

6. A _____ is a subset of a _____.

- Sample, population
- Population, sample
- Statistic, parameter
- Parameter, statistic

7. The _____ scale measurement has a natural zero

- Ratio
- Nominal
- Ordinal
- Interval

8. Scale in which the respondent directly compares two or more objects and makes choices among them is

- Ranking Scale
- Rating Scale
- Graphic Scale
- None

9. Crime statistics in India reflect

- True Index of Crime
- Total number of offences in Society
- Only recorded crime
- All the above

10. In SPSS, what is the "Data Viewer"?

- A table summarizing the frequencies of data for one variable
- A spreadsheet into which data can be entered
- A dialog box that allows you to choose a statistical test
- A screen in which variables can be defined and labeled

PART B — (5 × 5 = 25 marks)

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

11. (a) Give the objectives of research.
Or
(b) What is the motivation in the research?

12. (a) What is applied research?
Or
(b) Explain the features of a good design.

13. (a) What is Probability Sampling?
Or
(b) List the types of Non Probability Sampling.

14. (a) What is a research tool?
Or
(b) Explain Measurements and scaling.

15. (a) Explore the significance of statistics.
Or
(b) How statistics helps in Criminological research? Explain with example.

PART C — (5 × 8 = 40 marks)

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

16. (a) Mention the research process.
Or
(b) Describe the Epistemology of Scientific research.

17. (a) Write in detail about formation and testing in Hypothesis.
Or
(b) Explain Fundamental and Descriptive research.

18. (a) How would you define sampling and what is its significance in research?
Or
(b) Elucidate the types of sampling.

19. (a) Describe the ethics in Criminological research.
Or
(b) Mention the mode of collection of data.

20. (a) Mention the problems in the use of statistics.
Or
(b) List out the source of crime statistics in India