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TB244512L

Reg. No : .....

Name : .....

**BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2024**  
**2022 ADMISSIONS REGULAR**  
**SEMESTER IV - CORE COURSE (NUTRITION AND DIETETICS )**  
**ND4B10B20 - Research Methodology**

**Time : 3 Hours**

**Maximum Marks : 80**

**Part A**

**I. Answer any Ten questions. Each question carries 2 marks**

**(10x2=20)**

1. Discuss the uses of research.
2. Discuss on importance of review of literature in problem formulation.
3. Explain factorial design.
4. List out the considerations for preparation of a research design.
5. Illustrate on ordinal scale.
6. Enumerate on reliability of research.
7. Explain sampling frame and sampling error.
8. What do you mean by multistage sampling?
9. Explain chi-square test.
10. Discuss the examples of plagiarism.
11. Write a note on report generation.
12. Write a note on use of handbooks.

**Part B**

**II. Answer any Six questions. Each question carries 5 marks**

**(6x5=30)**

13. What are the characteristics of a researcher ?
14. Elaborate about alternate hypothesis .
15. Discuss on research design based on it's significance.
16. Differentiate between exploratory and descriptive research design.
17. Discuss on qualitative research.
18. Explain probability sampling.
19. Explain univariate analysis and its types.
20. Explain the steps in research paper writing.
21. Explain the precautions to be taken while writing a research report.

**Part C**

**III. Answer any Two questions. Each question carries 15 marks**

**(2x15=30)**

22. Discuss various aspects to formulate a research question.
23. Explain different designs for experimental research.
24. Discuss about different levels of measurements.
25. Explain sampling with an example. What are the characteristics of a good sample?

