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(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2024**

B.Sc. LRP (Alternate Pattern)

A12 RESEARCH METHODOLOGY

(2019—2023 Admissions)

Time : Two Hours and a Half

Maximum : 80 Marks

Section A*All questions can be answered.**Each question carries 2 marks.**(Ceiling 25 marks)*

1. What are the essential components of a thesis ?
2. Why is it important to define clear research objectives ?
3. What is Science Citation Index ?
4. How do you determine the appropriate research methodology ?
5. Why is a well-prepared project proposal crucial ?
6. What is the impact factor of a journal ?
7. What is the role of summer schools in research ?
8. How does training in research institutes benefit researchers ?
9. What is virtual source for research ? Give examples.
10. What types of literature sources can be included in research ?
11. Why is proper citation important in a thesis ?
12. What type of information is usually included in the appendix of a thesis ?
13. What is the significance of INFLIBNET ?
14. Why are keywords important in literature search ?
15. What does ISSN stand for, and why is it important for journals ?

Turn over

Section B

All questions can be answered.

Each question carries 5 marks.

(Ceiling 25 marks)

16. What is the significance of tabulation in research ? Briefly explain.
17. Briefly explain the importance of open access journals in research ?
18. How does Google Scholar differ from regular internet searches ?
19. How do short communications differ from review articles ?
20. What is the purpose of collecting research protocols ? Discuss.
21. Why is plagiarism a serious concern in manuscript preparation ? Explain.
22. How do digital libraries facilitate research ?
23. What is the purpose of data analysis in research ? Give suitable examples.

Section C

Answer any two of the following questions.

Each question carries 10 marks.

24. Explain the key elements involved in creating a research plan, outlining the importance of protocols and the criteria for selecting appropriate methods in both observational and experimental research. How does a well-crafted research plan contribute to the overall success of a study ?
25. Explain the functionalities of statistical software, with a specific emphasis on SPSS, in the analysis of research data. How does the use of statistical software enhance the efficiency and accuracy of data analysis ?
26. Describe the process of publishing articles in journals. What considerations should authors take into account when selecting suitable platforms for their work ?
27. Discuss the importance of peer-reviewed journals in the academic and scientific community. What role does the peer review process play in maintaining the quality and credibility of scholarly publications ? Explain the challenges and benefits associated with the peer review system.

(2 × 10 = 20 marks)