

M.Lib.I.Sc. 1st Semester Examination

Paper : MLIC409X0

Time : Two Hours

Candidates are required to give their answers

in their own words as far as practicable.

Group - A

Answer any *four* questions : $5 \times 4 = 20$

1. Discuss the importance of literature review in research.
2. Define snowball sampling and simple random sampling.
Explain whether random sampling is random in nature.

3+2
3. Define interview method and questionnaire method of data collection.

2½×2

P.T.O.

4. Indicate the type of research with appropriate reasoning for the following research titles :

- (i) Scientometric analysis of research in astrophysics in India from 2020 to 2025
 - (ii) An analytical study of optical properties of Bromine
 - (iii) Study of Dengue-affected people in selected wards of Midnapore Municipality
 - (iv) Simulation of protein synthesis for genetic engineering
 - (v) An analytical study of sociological implication of the literary works of Suchitra Bhattacharya.
5. Explain Goodhart's Law. What is 'Sleeping Beauty in the context of citation study? 2½+2½
6. What is plagiarism? Write a note on any one plagiarism-detection software. 2+3

Group - B

Answer any *two* questions : 10×2=20

7. Describe the characteristic features of predatory journal. What is Fabrication? 7+3
8. Describe the steps involved in research process.
9. Discuss different types of researches categorised on the basis of experimental methods. State any four criteria of good research. 8+2

10. (a) Indicate the method of sampling for data collection with appropriate reasoning for the following research titles :

- (i) Documentation of indigenous knowledge on traditional healthcare practices by Kora Community of West Bengal
 - (ii) User studies in the public libraries of Howrah district
 - (iii) Measuring air pollution level during daytime in Kolkata Municipal Corporation area
 - (iv) Study of anxiety level of drug-addicted people of Delhi
 - (v) Analysis of the amount of Phosphorous in the rocks available on the hillocks (small hills) of Purulia district
- (b) What is research hypothesis? Enumerate different types of research hypotheses. 5+(3+2)

Internal Assessment : 10 marks
