

9476/6

**FACULTY OF SOCIAL SCIENCES**

**M. L. I. Sc. (II – Semester) Examination**

**Research Methods and Statistical Analysis in Library and Information Science**  
**Paper-VI**

Time: 3 Hours]

[Max. Marks: 80]

Answer ALL Questions  
All questions carry equal marks.

- 1 a) Explain the need of Research. Differentiate between Basic and Applied Research with suitable example.  
OR  
b) Define Hypothesis? Explain how to formulate a good Hypothesis.
- 2 a) Discuss the essential requirements of Historical Research and how this research is applied to Library and Information Sciences.  
OR  
b) Define Delhi technique. Explain its characteristics and features.
- 3 a) Enumerate different types of sampling methods employed in the collection of data.  
OR  
b) What is SPSS? Explain how it is used in data analysis with suitable example.
- 4 a) What are the steps followed in Research Report writing?  
OR  
b) Discuss the importance and need for editing in research report writing.
- 5 Write short notes on any four of the following:
  - a) Research Design
  - b) Literature Review
  - c) Case study Method
  - d) Pie charts
  - e) Comparative Research
  - f) Survey Research

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**FACULTY OF SOCIAL SCIENCES**  
**M.L.I.Sc. (II – SEMESTER) EXAMINATION**  
**PAPER - VI**

**Research Methods & Statistical Analysis in Library and Information Science**

Time: Three Hours]

[Max. Marks: 80

Answer **ALL** questions.  
All questions carry equal marks.

- 1 a) Define Research. Explain the steps involved in Research Process.  
OR  
b) Discuss the role of Research Design in Social Science Research.
- 2 a) Discuss the significance of literature survey in research. Explain the use of documentary sources of information.  
OR  
b) What do you mean by Hypothesis? Discuss the qualities of a good hypothesis in Social Science Research.
- 3 a) Explain the role of Survey as a method in LIS research.  
OR  
b) Discuss the importance of questionnaire as a method of data collection.
- 4 a) Explain the use of computers for data analysis.  
OR  
b) Write an essay on Bibliomaniac studies.
- 5 Write short notes on any **four** of the following:
  - a) Trends in LIS Research.
  - b) Stratified sampling
  - c) Mode
  - d) Citation styles
  - e) Applied Research
  - f) Observation Methods

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FACULTY OF SOCIAL SCIENCES

M.L.I.Sc. (II Semester) Examination

RESEARCH METHODS AND STATISTICAL ANALYSIS IN LIBRARY AND  
INFORMATION SCIENCE

Paper VI

Time : 3 Hours]

[Max. Marks : 80

*Answer all questions.*

*All questions carry equal marks.*

1. (a) What is a research problem? Discuss the criteria in selecting a problem for research.

Or

- (b) Define Hypothesis. Explain different types of hypothesis used in LIS research.

2. (a) Discuss the advantages and disadvantages <sup>of</sup> case study as a method of research.

Or

- (b) Explain the application of Historical Method in LIS research.

3. (a) Enumerate various data collection methods. Discuss the advantages and limitations of questionnaire.

Or

- (b) What do you understand by sampling? Discuss different types of probability sampling methods

4. (a) Write an essay on Bibliometrics <sup>studies</sup> ~~study~~ in LIS

Or

- (b) Describe the composition of a research report

5. Write short notes on any four of the following:

- (a) Secondary data
- (b) Independent variable
- (c) Participant observation
- (d) Content analysis
- (e) Data coding
- (f) Pie Chart.

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FACULTY OF SOCIAL SCIENCES

M.L.I.Sc. (II Semester) Examination

RESEARCH METHODS AND STATISTICAL ANALYSIS  
IN LIBRARY AND INFORMATION SCIENCE

Paper VI

[Max. Marks : 80]

Time : 2 Hours]

*Answer any five of the following.*

*All questions carry equal marks.*

1. What is Research Problem? Discuss the criteria for identifying a good research problem.
  2. Define Hypothesis. Explain the qualities, functions and types of hypothesis.
  3. Explain the different formulations used in Experimental Research.
  4. Explain the importance of Historical research in LIS.
  5. List out the various instruments of data collection and discuss the merits and demerits of each of them.
  6. Explain the importance of sampling techniques in LIS research.
  7. Discuss the application of computers in Research Data Analysis.
  8. Discuss the composition of a Research Report.
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**FACULTY OF SOCIAL SCIENCES**

**M.Lib.I.Sc. (II-Semester) Examination**

**Research Methods and Statistical Analysis in Library and Information Science**

**Paper-VI**

**Time: 3 hours]**

**[Max Mar**

**Answer any five of the following**

**All questions carry equal marks**

**(Marks 5 x 16 =**

1. Differentiate between fundamental research and applied research with suitable examples.
2. Describe the importance of literature review and mention various methods of organizing literature reviews.
3. Define Hypothesis. Describe the qualities and purpose of hypothesis in social research.
4. Give a brief note on different sampling techniques.
5. What are the different statistical techniques used in analyzing research data.
6. Discuss different types of graphical presentation of data.
7. What is the importance of a citation and briefly explain different citation styles (referencing styles) used in research?
8. Explain the objective of research report. Briefly explain the components of a research report.
9. Define plagiarism. Explain different types of plagiarism.
10. Write an essay on metric studies in LIS. Explain the objective of bibliometrics.

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