

**M.Lib. & Inf. Sc. (Semester - I) Examination, Nov. - 2013**  
**LIBRARY AND INFORMATION SCIENCE**  
**Paper No. - III : Research Methods and Statistical Techniques (Paper - I)**  
**Sub. Code : 47753**

Day and Date : Wednesday, 27 - 11 - 2013

Time : 11.00 a.m. to 2.00 p.m.

Total Marks : 80

- Instructions :
- 1) All questions are compulsory.
  - 2) All questions carry equal marks.

- Q1) A) Multiple Choice Questions (Tick Mark ✓ the correct answer)
- i) Research is an \_\_\_\_\_ process.
    - a) Technical
    - b) Semi-Mechanical
    - c) Intellectual
    - d) Mechanical
  - ii) A hypothesis that is tested for its rejection is \_\_\_\_\_ hypothesis.
    - a) Null
    - b) Alternative
    - c) Creative
    - d) Positive
  - iii) Historical Method of Research can be applied \_\_\_\_\_.
    - a) Only in LIS
    - b) In all subjects
    - c) Only in History
    - d) Social Sciences
  - iv) What is an Interview \_\_\_\_\_.
    - a) A type of research
    - b) Method of Research
    - c) A tool of research
    - d) None of these
  - v) In a questionnaire, 'Close-ended' questions are \_\_\_\_\_.
    - a) Those where long answers are required
    - b) The answers may be incomplete
    - c) Open for Interpretation
    - d) Fixed response questions
  - vi) Observational and empirical research together are called \_\_\_\_\_.
    - a) A priori
    - b) Empirical
    - c) Pure
    - d) Pragmatic



vii) \_\_\_\_\_ provides a blue print of research to be carried out.

a) Objectives of research      b) Research design

c) Hypothesis      d) Research Report

viii) The terms 'internal criticism' and 'external criticism' are related to \_\_\_\_\_ method of research.

a) Historical      b) Case study

c) Experimental      d) Descriptive

ix) The main type of research is \_\_\_\_\_.

a) Basic Research      b) Applied Research

c) Both (a) and (b)      d) None of these

x) Dr. S.R. Ranganathan's 'Five Laws of Library Science' is an example of \_\_\_\_\_ research.

a) Applied      b) Fundamental

c) Historical      d) Observational

B) Answer the following questions in one or two sentences.

i) Define 'Research'.

ii) What is a 'Pure Research'?

iii) What is 'Research Design'?

iv) Which are two types of hypothesis?

v) What is 'Observation Method'?

vi) Which research method has been referred as "the induction of principles through research into the past and social forces which have shaped the present"?

vii) Define the term 'Survey'.

viii) Give the meaning of 'Empirical Laws'.

ix) 'A Priori - Research has two levels namely Pure Research and applied Research'. State whether it is true or false.

x) In which research 'Four cell Method' is used?



Q2) Write Short Notes (Any Four):

- a) Need of Research.
- b) Criteria for selection of research problem.
- c) Descriptive Method.
- d) Schedule.
- e) Record Analysis.
- f) Ethical issues in Research.

Q3) Define the term 'Research'. Explain various types of Research in detail.

OR

What is 'Research Problem'? Discuss the various steps involved in identification and formulation of research problem.

Q4) Write an essay on 'Historical Method' stating its characteristics, advantages and disadvantages.

OR

What is 'Interview'? Explain its types, characteristics, advantages and disadvantages as data collection tool.