M. Lib. & Inf. Sc. (Semester - I) Examination, November - 2016
LIBRARY AND INFORMATION SCIENCE (Paper - III)
Research Methods & Statistical Techniques
Sub. Code : 47753

Day and Date : Thursday, 24 - 11 - 2016
Time : 10.30 a.m. to 01.30 p.m.

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

Q1) A) Multiple choice questions (Tick mark (√) the correct answer):
   a) Who has defined research as a ‘systematized effort to gain new knowledge’.
      i) Goode and Half
      ii) Redman and Morry
      iii) D. Slesinger and M. Stephenson
      iv) Clifford Woody

   b) A research design should be propounded after formulating _____.
      i) Hypothesis
      ii) Methodology
      iii) Objectives
      iv) Scope

   c) The method of investigation to collect information on phenomena through observation, interviews and questionnaire is known as _____.
      i) Record analysis
      ii) Case study
      iii) Survey
      iv) Schedule

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d) A systematic viewing coupled with consideration of the seen phenomena is known as _____.
   i) Surveying
   ii) Observation
   iii) Experimentation
   iv) Questioning

e) The term ‘internal criticism’ and ‘external criticism’ are related to _____ method of research.
   i) Case study
   ii) Experimental
   iii) Historical
   iv) Descriptive

f) Dr. S.R. Ranganathan’s ‘Five Laws of Library Science’ is an example of _____ research.
   i) Fundamental
   ii) Historical
   iii) Applied
   iv) Observational

g) A direct method of enquiry as well as method of depth study is called _____.
   i) Interview method
   ii) Observation method
   iii) Content Analysis
   iv) Questionnaire method
h) The distinctive mental process involved in Empirical research is _____.
   i) Induction
   ii) Perception
   iii) Sublimation
   iv) Deduction

i) Observation method is used to collect _____.
   i) Information
   ii) Wisdom
   iii) Data
   iv) Knowledge

j) The research which gives the same result every place is known as _____ research.
   i) Priori
   ii) Fundamental
   iii) Basic
   iv) Empirical

B) Answer the following questions in one or two sentences.
   a) Define ‘Research Design’.
   b) Give the meaning of ‘Empirical Laws’.
   c) In which research ‘Four Cell Method’ is used?
   d) What is “observation method”?
   e) ‘A priori - Research has two levels namely pure Research and Applied Research’. State whether it is true or false.
   f) In a questionnaire which are called as close ended questions.
g) What is ‘Pragmatic Research’?

h) Which data collection method involve verbal communication between the researcher and respondent?

i) What is ‘Null hypothesis’?

j) ‘Cranfield studies’ is an example of Team-relay research. State whether it is true or false.

**Q2**  Write short notes (Any four):

a) Fundamental Research.

b) Record Analysis.

c) Ethical Issues in Research.

d) Descriptive Method.

e) Survey.

f) Literature Search.

**Q3**  What is “Research problem”? Discuss the various steps involved in identification and foundation of research problem.

OR

Define “Hypothesis”. Describe the steps involved in testing of hypothesis. Enumerate qualities of a good hypothesis.

**Q4**  What is ‘Interview’? Explain its types, characteristics, advantages and disadvantages as data collection tool.

OR

Write an essay on ‘Experimental Method’.