Q1) A) Multiple Choice Questions (Tick marks (✓) the correct answer) [10]
   
   i) In a questionnaire, 'Close-ended' questions are ________.
      a) Open for Interpretation
      b) Fixed response questions.
      c) The answers may be incomplete
      d) Those where long answers are required

   ii) Every objective should cover only ______ aspect of the research problem.
      a) Two
      b) One
      c) Zero
      d) Many

   iii) Observational and empirical research together are called ______ Research.
      a) Empirical
      b) Pure
      c) A priori
      d) Pragmatic

   iv) _______ is the conceptual structure with in which research conducted, constitutes the blueprint for research.
      a) Research Report
      b) Research sample
      c) Research Layout
      d) Research Design

P.T.O.
v) Research is related with ________.  
   a) Discovering new knowledge  
   b) Developing existing knowledge  
   c) Verify knowledge  
   d) All the above  

vi) Dr. S.R. Ranganathan's 'Five Laws Library Science' is an example of ________ research.  
   a) Historical  
   b) Applied  
   c) Pure  
   d) Empirical  

vii) ________ method involves presentation or oral verbal stimuli and reply in terms of oral verbal response.  
   a) Observation method  
   b) Interview method  
   c) Experimental method  
   d) Survey method  

viii) A hypothesis that is tested for its rejection is ________ hypothesis.  
   a) Alternative  
   b) Negative  
   c) Null  
   d) Research  

ix) What is an Interview ________.  
   a) A type of research  
   b) Method of Research  
   c) A tool of research  
   d) None of the above  

x) 'Cranfield studies' is an example of ________ research.  
   a) Jean-relay  
   b) Historical  
   c) Descriptive  
   d) Experimental  

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B) Answer the following questions in one or two sentences. [10]

i) Which is called as 'Pragmatic research'?

ii) Define survey

iii) In a questionnaire, which questions are called 'Open ended questions'?

iv) Define hypothesis.

v) In which research 'four cell method' is used

vi) What are the types of literature review?

vii) Define research.

viii) Fundamental laws are got by intuition state whether it is true or false.

ix) Who defined research is a systematized effort to gain new knowledge?

x) What is observation method?

Q2) Write short notes (any four) [20]

a) Ethical issues in Research

b) Comparative method

c) Literature search

d) Criteria for selection of research problem

e) Descriptive method

f) Schedule

Q3) What is 'Research'? Explain various types of research in detail.

OR

Write an essay on 'Research Design'. Stating its meaning functions and steps involved in research design.
Q4) Define 'Questionnaire' Explain the characteristics, advantages and disadvantages of questionnaire as the data collection tool.

OR

Write an essay on 'Historical method' starting its characteristics, advantages and disadvantages.