

- NB: (1) All questions are compulsory  
(2) Make suitable assumptions wherever necessary and state the assumptions made.  
(3) Answers to the same questions must be written together.  
(4) Numbers to the right indicate marks.  
(5) Draw neat labeled diagrams wherever necessary.

**Q1. Attempt any three of the following:**

**15M**

- Define research. List different types of research. Explain each with suitable examples.
- Distinguish between Reliability and Validity
- What are the characteristics of research? Explain each with illustrations.
- Write a note on Hypothesis.
- Define Variable? How will you ensure accuracy in measuring a variable?
- What is the research problem? Explain some sources of Research Problems.

**Q2. Attempt any three of the following:**

**15M**

- Define sampling? Write a note on Characteristics of good sample design.
- What are the various types of sample design?
- Write a note on Methods of Collecting Primary Data.
- What is scaling? Explain classification of scaling.
- What is measurement in research? State the classification of measurement scales.
- What are the different types of questionnaires? Explain how to construct questionnaires.

**Q3. Attempt any three of the following:**

**15M**

- What is processing of operations? Explain the classification of processing operations.
- Explain the meaning and significance of the concept of "standard error" in sampling analysis.
- What is a hypothesis? What characteristics must it possess in order to be a good research hypothesis?
- Explain some problems in processing in detail.
- Explain how to determine sample tasks.
- List and explain different hypothesis tests.

**Q4. Attempt any three of the following:**

**15M**

- Write a note on SCOPUS?
- Explain different types of reference management software.
- Explain the layout of the research paper.
- What is plagiarism? What is the software for detecting plagiarism?
- Write a note on self-plagiarism?
- Define copyright. What are the ethical issues relating to publishing.

**Q5. Attempt any three of the following:**

**15M**

- How to think as a researcher?
- Explain the concept of professional standards in the context of ethics in business research.
- Explain in brief what are research ethics?
- Explain the concept of E-research.
- What are the resources for ethical awareness?
- Explain qualitative research using online personal interviews.