

**M.Tech. (Cosmetics Technology) Semester-I Examination**  
**IT 5 : RESEARCH METHODOLOGY (Common For All Branches)**

Time : Three Hours]

[Maximum Marks : 40

**N.B.:**—(1) All questions carry equal marks.

(2) Answer four questions.

(3) Illustrate your answer wherever necessary with the help of neat sketches.

(4) Use pen of Blue/Black, ink/refill only for writing the answer book.

1. Explain the objectives of research and research process in detail with flow chart. 10
2. What do you mean by attitude measurement scales ? Describe in detail different types of attitude measurement scales. 10
3. What is Data Collection ? Explain methods of data collection in detail. 10
4. Explain in detail layout of research report. 10
5. What is sampling and sampling designs ? Discuss types of sampling in detail. 10
6. Write short notes on (any **two**) :
  - (i) Oral Presentation
  - (ii) Significance of Research
  - (iii) Formats of Report
  - (iv) Tabulation. 10

