

**Faculty of Cosmetic Technology**  
**M.Tech. (Cosmetics Technology) Semester-I (New) Examination**  
**RESEARCH METHODOLOGY**  
**(Common For All Branches)**  
**Paper—1-T-5**

Time : Three Hours]

[Maximum Marks : 40

**INSTRUCTIONS TO CANDIDATES**

- (1) All questions carry equal marks.
  - (2) Answer **four** questions.
  - (3) Due credit will be given to neatness and adequate dimensions.
  - (4) Use pen of Blue/Black ink/refill only for writing the answer book.
1. Define Research. What are the objectives of Research ? Explain different types of Research with examples. 10
  2. What is meant by Research design ? What are the main characteristics of Research design ? Classify Research designing. 10
  3. What are the parametric and non parametric test ? Explain in detail. 10
  4. Write short notes on (any **two**) :
    - (i) Basic principle of experimental design
    - (ii) Statistical significance- P value
    - (iii) Qualitative and quantitative data. 10
  5. What are the tips and skills required for good presentation ? 10
  6. Discuss in detail how to write a formal report ? 10

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