Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

MECM (2015 & Onwards)   (Sem.–1)

BASICS OF RESEARCH METHODOLOGY–I

Subject Code : MECM-103

M.Code : 28003

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1.   **Answer briefly :**

   a)   Educational Research

   b)   Thurstone Scale

   c)   Observation

   d)   In-Depth Interview

   e)   Scientific Method

   f)   Type I and Type II Error

   g)   P-value

   h)   Confidence Level

   i)   Fundamental Research

   j)   Snowball Sampling

SECTION-B

2. Describe the process of identifying the research problem.

3. What are various techniques of literature survey?

4. Discuss the concept and application of Normal Distribution in research.

5. Describe various features of a good question.

6. Discuss the nature of action research.

SECTION-C

7. Define Sampling. Discuss probability techniques of sampling.

8. Define the concept of measurement and scaling. What are various techniques of comparative scaling?

9. What is Hypothesis? Discuss the process of testing hypothesis in research.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.