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

Total No. of Questions : 09

MECM (2015 & Onwards)   (Sem.–2)
RESEARCH METHODOLOGY-II
Subject Code : MECM-203
Paper ID : [G1133]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION 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 has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

Q1 Answer briefly :

a) Define research methods.

b) Define research methodology.

c) What is difference between primary and secondary data?

d) What is the difference between interval data and ration data?

e) What is the difference between control variables and cofounding variables?

f) What is the difference between control group and experiment group?

g) What are the conditions for perfect causality?

h) Can perfect causality be established?

i) Difference between longitudinal and cross sectional research.

j) What is the meaning of internal and external validity of experiment?

SECTION-B

Q2 What is historical research? What are the steps involved in historical research design?

Q3 What is literature survey? What is the need and importance of literature survey in research?

Q4 What are the ways of collecting primary data?

Q5 What is a hypothesis and hypothesis testing? What is the importance of hypothesis testing in research?

Q6 What are the extraneous variables? How extraneous affects the validity of the experiment?

SECTION-C

Q7 What is descriptive research design? Discuss different types of descriptive research designs.

Q8 What is experiment research design? Discuss true experiment and quasi experiment designs?

Q9 What is the meaning of significance level in experiment research? With suitable example explain the significance of difference between statistics.