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

Total No. of Questions : 08

Ph.D in Faculty of Engineering (CE)
RESEARCH METHODOLOGY
M.Code : 77404

Time : 3 Hrs.   Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :
1. Attempt any FIVE questions out of EIGHT question.
2. Each question carry TWENTY marks.

Q1   Explain the types of probability and non-probability sampling techniques. Discuss the advantage and limitation of each type.

Q2   What are secondary data collection method? On what parameters, one can check the utility of an internal secondary data source and an external secondary data source? Explain by citing examples.

Q3   What are different data collection methods available for launching new pharmaceutical company? What will be the best method to be adopted? Explain and rationalize your answer.

Q4   What is hypothesis? Is it necessary for every research problem to have a set hypothesis? Explain various testing methods of hypothesis.

Q5   Write notes on :

a.   Objectives of research   (7)

b.   Applications of Standard Deviation   (7)

c.   Limitations of mode   (6)

Q6   Write notes on :

a.   How to quote references and prepare bibliography   (5)

b.   Applications of Chi-Square   (5)

c.   Various Parametric tests   (10)

Q7 Write notes on :

    a. Features of Descriptive Research   (6)

    b. Presentation of research proposal   (7)

    c. Limitations of median   (7)

Q8 Write notes on :

    a. Application of Dispersion   (5)

    b. Difference between skewness and kurtosis   (10)

    c. Limitations of mean   (5)