

No. of Printed Pages : 03

Roll No.

001

Ph. D. (Course Work)

EXAMINATION, May 2019

RM900

RESEARCH METHODOLOGY

(Common for All Branches)

(Except CHE,CH, PHY, MBA, Maths)

Time : 3 Hours]

[Maximum Marks : 100

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt any *Five* questions. All questions carry equal marks.

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P.T.O.

1. (a) Explain the meaning of research and describe its different types. Also discuss the different steps involved in developing a research plan. **12**
 (b) Discuss the significance, types of consequences of plagiarism in research. **8**
2. (a) Discuss the significance of literature survey in finalization of a research problem and in defining its objectives. **10**
 (b) What are the various methods of data collection ? Discuss in detail along with their advantages and disadvantages. **10**
3. (a) Differentiate between exploratory and descriptive research. **10**
 (b) Discuss the different types of sampling techniques using suitable examples. **10**

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4. Explain, what is meant by “Multivariate Analysis”. With the help of suitable examples, discuss its application in research. **20**
5. (a) Distinguish between parametric and non-parametric tests. What are the different assumptions of parametric tests ? **8**
 (b) Explain regression and correlation with suitable examples. **12**
6. Explain briefly :
 (a) Measures of central tendency and distribution
 (b) Methods for testing of research hypothesis
 (c) Probability distributions
 (d) Skewness and Kurtosis. **4×5=20**
7. Comment upon the layout of a research report, and elaborate the various steps involved in writing a research report. **20**
8. What is the difference between a research report and a thesis ? Explain in detail the structural organization of an ideal thesis. **20**

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