

Roll No.

Total Pages : 4

2992/MJ

F-34/2051

RESEARCH METHODOLOGY

Paper–MFY-8.2

Semester–VIII

Time allowed : 3 Hours] [Maximum Marks : 70

Note: The candidates are required to attempt two questions each from section A and section B carrying 10 marks each and the entire Section C consisting of 10 short answer type questions carrying 3 marks each is compulsory.

SECTION-A

1. 'Qualitative methods require special skills and techniques on the part of investigator.' Examine the truth of the statement by using suitable examples. 10

2. What is a research hypothesis? Do all researchers require hypotheses formulation? Explain. 10
3. What principles should be followed for an ideal questionnaire design? Illustrate with suitable examples. 10
4. Define Research. Discuss the nature and objectives of conducting research. 10

SECTION-B

5. What points will you keep in mind while preparing a research report? Explain. How can you write analytical report? 10
6. From the following two regression equations calculate the mean values of X and Y and the coefficient of correlation between X and Y. 10

$$4y - 5x = 0$$

$$5y - x - 63 = 0$$

7. What is the basic purpose of Factor analysis? Explain the conditions that are required to be

satisfied before carrying out a factor analysis?

Illustrate. 10

8. Write notes on the following: 10

(i) Ideal structure for an effective report

(ii) Steps of hypothesis testing

(ix) Internal sources of secondary data collection

(x) Research design

(xi) Components of Research problem

(xii) Features of a good research.

SECTION-C

9. Attempt any **ten** of the followings : 3×10 = 30

(i) Eigen value

(ii) Varimax rotation method

(iii) Properties of Correlation Coefficient

(iv) Parametric and Non-Parametric test

(v) Type I and Type II error

(vi) Differentiate Stratified sampling and Cluster sampling

(vii) Structured and Unstructured questionnaire

(viii) Computer - aided interview