

M.H.R.D. (Semester—II) Examination
RESEARCH METHODOLOGY
Paper—MHRD/206

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) Attempt **ALL** questions.

(2) Figures to the right indicate full marks.

1. (a) What is the concept of Research Methodology ? Explain inductive theory and deductive theory. 16

OR

- (b) What are the objectives of research ? Explain the process of research, elaborating each step. 16
2. (a) State the significance of defining and formulating a research problem. 4
- (b) What is a null hypothesis ? Why is it set ? 4
- (c) How would you classify research design ? How is a research design prepared ? 4
- (d) How could the survey type of study be helpful in arriving at solutions to the unemployment problem in urban area ? 4

OR

- (e) What is the role of hypothesis in social science research ? 4
- (f) State the significance of defining and formulating a research problem. 4
- (g) How can applied research be used for solving problems ? 4
- (h) Explain the concept and significance of variables. 4
3. (a) What are the sources of secondary data ? Elaborate. 4
- (b) What are the advantages and disadvantages of primary data ? 4
- (c) What are the various techniques of primary data collection ? 4
- (d) Explain the concept of sampling. 4

OR

- (e) Explain the concept of sample size. 4
- (f) What do you mean by sample design ? 4
- (g) Explain the sampling techniques based on probability. 4
- (h) What are the characteristics of a good sample ? 4
4. (a) Explain the tabulation process of data processing. 4
- (b) How to use bar charts and pie charts for the analysis of data ? 4
- (c) What are the steps involved in decision making process ? 4
- (d) How tabulation can be useful for data presentation ? 4

OR

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| (e) | Write a note on Bivariate analysis. | 4 |
| (f) | What is time series analysis ? Explain its components. | 4 |
| (g) | Describe the steps in Model-Building. | 4 |
| (h) | Explain the concept of Model-Building. | 4 |
| 5. | (a) How to write a research paper ? State its contents with suitable example. | 16 |
| OR | | |
| | (b) What are the types of report ? Explain the qualities of good research report. | 16 |