

No. of Printed Pages : 4

MMPC–015

MANAGEMENT PROGRAMME

(MP)

Term-End Examination

June, 2024

**MMPC–015 : RESEARCH METHODOLOGY FOR
MANAGEMENT DECISIONS**

Time : 3 Hours

Maximum Marks : 100

Weightage : 70%

Note : (i) *This question paper contains two
Sections : A and B.*

(ii) *Attempt any **four** questions from Section
A. Each question carries 20 marks.*

(iii) *Section B is compulsory and carries
20 marks.*

P. T. O.

Section – A

1. What are the sources of a research topic ? What do you consider in selecting a research problem ? Discuss the steps in formulating a research problem.
2. What is secondary data ? State their main sources and point out the dangers involved in their use and the precautions necessary to use them. Illustrate with examples.
3. What are the various non-probability sampling methods ? Discuss their use in business and government.
4. What is data processing in the research ? What are the various types of data classification in the research ? Explain the significance of data presentation in the research.
5. What kind of questions will arise while reviewing the draft report ? Discuss.

6. Write short notes on any *three* of the following :

- (a) The questionnaire method
- (b) The field experiments
- (c) The Semantic Differential Scale
- (d) Discriminant Analysis
- (e) Line or Arithmetic Chart

Section—B

7. A large industrial plant's daily emission of sulphur oxides (in tons) is given in the following table :

17	15	20	29	19	18	22	25	27	9
24	20	17	6	24	14	15	23	24	26
19	23	28	19	16	22	24	17	20	13
19	10	23	18	31	13	20	17	24	14

Use the one-sample sign test to test the null hypothesis that the plant's true average daily emission of sulphur oxide is $\mu = 23.5$ tons against the alternative hypothesis $\mu < 23.5$ tons at the 0.05 level of significance. Tabulated value at 5% level of significance is 1.645.