



Tuesday, 3rd October, 2017

Time: 3.00 to 4.00 p.m

Note: (i) Figures to the right indicate marks.

(ii) Graph paper will be provided on request.

(iii) Simple/Scientific calculator is allowed.

(iv) Q.3 to Q.5 each has 6 marks

Q.1 Multiple Choice Questions

(1 × 3)

- (1) Pain level (None, Mild, Moderate, Severe) is?
 (a) Nominal (b) Ordinal (c) Discrete (d) Continuous
- (2) The first step in tabulation is
 (a) Foot note (b) Source note (c) Captions (d) Classification
- (3) An auto analyst is conducting a satisfaction survey, sampling from a list of 10,000 new car buyers. The list includes 2500 Ford buyers, 3500 Hyundai buyers, 3000 Maruti Suzuki buyers and remaining 1000 Honda buyers. The analyst select a sample of 400 car buyers, which sampling technique would you recommend to use
 (a) Simple Random Sampling (b) Systematic Sampling
 (c) Stratified Random Sampling (d) All of These

Q.2 Short Type Questions (Attempt Any Two)

(2 × 2)

- (a) The most commonly used device of presenting business and economical data is
 (a) Pie diagram (b) Bar diagrams (c) Line diagrams (d) None of the above
 Choose most appropriate option and write in brief about it.
- (b) What is secondary data? Give any two sources of secondary data.
- (c) State the aim of sample survey.

Q.3(a) Write a note on Simple Random Sampling.

- (b) Describe in brief about application of statistics in any two fields.

OR

Q.3(a) List out the various types of data used in the field of statistics. Give two examples of each one.

- (b) Write a note on Systematic Sampling.

Q.4(a) Write a note on " Mailed Questionnaire Method".

- (b) Differentiate between Primary and Secondary data.

OR

Q.4(a) _____ is a suitable method of collecting primary data in cases where the informants are literate and spread over a vast area. Fill in the blank and describe the method.

- (b) What do you mean by questionnaire? State the essential points to be remembered in drafting a questionnaire.

Q.5(a) List out the various types of diagrams you have studied. Describe any one of them by giving an example.

- (b) What is tabulation? List out the various parts of table. Describe in brief about any two of them.

OR

Q.5(a) List out the importance of diagrams.

- (b) Present the following data through a most suitable diagram. State its objective(s).

Literacy Rate In Various States Of Urban India

State	1991	2001	2011
Gujarat	76.54	81.84	86.30
Madhya Pradesh	70.81	79.39	82.90
Rajasthan	65.33	76.20	79.70
Maharashtra	79.20	85.48	88.70