

1127

B. Voc. (Hardware and Networking)

Fifth Semester

GEN-501: Critical Thinking and Elementary Statistics
(Common)

Time allowed: 3 Hours

Max. Marks: 80

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x-x-x

- I. (a) Define Statistics.
(b) Describe the essential parts of Table.
(c) Define Graphic Representation of Data.
(d) Discuss limitations of Index Number. (4*4)

Unit - I

- II. Discuss various methods generally used in the collection of Primary and Secondary data. (16)

- III. Define Statistics? Discuss its Functions and importance? (16)

Unit - II

- IV. Find the value of Mode using Grouping method for the following distributions using

X	f
39.5-44.5	3
44.5-49.5	6
49.5-54.5	13
54.5-59.5	18
59.5-64.5	15
64.5-69.5	7
69.5-74.5	3
74.5-79.5	2

(16)

- V. Calculate Median from the following:

X	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
f	5	10	40	5	0	15	40	5

(16)

Unit - III

- VI. (a) Calculate standard deviation from the following series:-
Marks:- 40 44 54 60 62 64 70 80 90 96 (8)

- (b) Calculate Mean deviation about mean from following data:

X	10	12	14	15
f	5	14	20	11

(8)

- VII. Define Time Series? Discuss its uses, components and mathematical Models? (16)

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Unit - IV

VIII. Define Index Numbers? Discuss the characteristics, types and uses of Index Number? (16)

IX. Discuss methods of construction of Index numbers. (16)

X-X-X