



B.Com. III Semester (CBCS) Degree Examination, Nov/Dec - 2018

COMMERCE

Quantitative Techniques - I

(New)

Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates:

Logarithmic and graphs are supplied on request.

Section - A

Answer any five of the following questions.

(5×2=10)

1. Define statistics.
2. What is frequency distribution.
3. Mention types of diagrams.
4. Define harmonic mean.
5. What are the objectives of dispersion.
6. Give the meaning of standard deviation.
7. State any two features of skewness.

Section - B

Answer any three of the following questions

(3×5=15)

8. "The proper function of statistics is to enlarge individual experiences" comment.

[P.T.O

(2)



9. Draw a pie diagram for the following data.

Commodity	Expenditure in Rs.
Food	300
Rent	200
Cloth	125
Education	110
Miscellaneous	75
Savings	90

10. Calculate Arithmetic mean for the following data.

Temperature in Centigrade	No. of days
-40- -30	10
-30 - -20	28
-20 - -10	30
-10 - 0	42
0-10	65
10-20	180
20-30	10
	<u>365</u>

11. Calculate positional average for the following data.

X:	0-5	5-10	10-20	20-25	25-40	40-35	35-50	50-60	60-80	80-90	90-100	Above 100
F:	1	2	5	8	10	10	7	6	5	3	2	3

12. Calculate upper quartile, Decile 8 and percentile 72 from the following data.

Height in cm	No. of children
0-10	2
10-20	4



(3)

37323(New)

20-30	8
30-40	10
40-50	5
50-60	1

Section - C

Answer any **three** of the following questions.

(3×15=45)

13. Explain the features, significance and limitations of statistics.
14. Calculate Mean, Median and Mode from the following data.

Class	Frequency
Less than 10	4
Less than 20	16
Less than 30	40
Less than 40	76
Less than 50	96
Less than 60	112
Less than 70	120
Less than 80	125

15. Draw an Ogive (both the type) for the following data and find the value of median from it.

Class	frequency
10-20	3
20-30	16
30-40	22
40-50	35
50-60	24
60-70	15
70-80	5

[P.T.O



16. Compute mean deviation from mean median and mode and their co-efficient.

Class	frequency
300-500	15
500-700	20
700-900	28
900-1100	22
1100-1300	20
1300-1500	12

17. Calculate Karlpearson's co-efficient of skewness from the following data.

Marks	No.of Students
Above 0	150
Above 10	140
Above 20	100
Above 30	80
Above 40	80
Above 50	70
Above 60	30
Above 70	14
Above 80	0

<https://www.vskub.com>

<https://www.vskub.com>