

B.A. DEGREE EXAMINATION, APRIL 2019
I Year I Semester
Statistics For Economists - I

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Define Statistics.
2. State any 2 functions of statistics.
3. What is meant by primary data?
4. What is tabulation of data?
5. State any 2 difference between Diagrams and Graphs.
6. What is a Ogive?
7. Define Median.
8. What is known as a modal value?
9. Define Dispersion.
10. What is coefficient of variation?
11. Calculate Range for the following data

Day Price	(Rs)
Monday	200
Tuesday	210
Wednesday	208
Thursday	160
Friday	220
Saturday	250
12. What is Lorenz curve?

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Bring out the limitations of statistics.
14. Briefly explain various types of classification.

15. Represent the following data by a suitable pie diagram.

Sectors	Percentage
Agriculture	10.5
Energy	4.8
Transport	12.3
Banking	40.0
Industries	19.7
Service sector	12.7

16. State the requisites of a good average.

17. Compute co-efficient of quartile deviation from the following data

Marks	10	20	30	40	50	60
No of students	4	7	15	8	7	2

18. Draw a Histogram from the following data

Marks	0-10	10-20	20-40	40-50	50-60	60-70	70-90	90-100
No of students	4	6	14	16	14	8	16	5

19. Explain briefly the methods of studying variation.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Explain the Nature & Scope of statistics.

21. Explain the various methods of collecting Primary data.

22. Draw less than and more than ogive from the data given below.

Profits (Rs.Lakhs)	No of Companies
10-20	6
20-30	8
30-40	12
40-50	18
50-60	25
60-70	16
70-80	8
80-90	5
90-100	2

23. Compute Mean, Median and mode from the following distribution.

x	0-10	10-20	20-30	30-40	40-50
F	12	18	20	25	23

24. Calculate the standard deviation and coefficient of variation from the following data.

Expenditure (in Rs)	No of Students
780-820	2
730-770	6
680-720	7
630-670	12
580-620	18
530-570	13
480-520	9
430-470	7
380-420	4
330-370	2