B.A. DEGREE EXAMINATION,APRIL 2020
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 the scope of statistics.
3. Distinguish between primary and secondary data.
4. Define tabulation.
5. Draw the pie diagram.
6. State the advantages of graphical representation of data.
7. Define Ogives.
8. Find mean to the following:

   10, 11, 12, 13, 14
9. Calculate median to the following:

   10, 15, 9, 25, 19
10. Define mode.
11. Define dispersion.
12. Calculate range to the data given below

    30, 45, 55, 65, 23, 25

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

Answer any **FIVE** questions

13. State the limitations of statistics.
14. Explain in detail about types of classification.
15. Draw simple bar diagram to the following.

Year	1997	1998	1999	72000	2001
Profit (000)	15,000	18,000	20,000	16,000	13,000

16. What do you know about central tendency? What are the merits and demerits of arithmetic mean?

17. Calculate arithmetic mean to the following.

X	2	3	4	5	6
F	10	25	30	25	10

18. Find Quartile deviation to the data given below.

Marks	30-32	32-34	34-36	36-38	38-40	40-42	42-44
No.of students	12	18	16	14	12	8	6

19. Find standard deviation to the following.

    14, 22, 9, 15, 20, 17, 12, 11

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

Answer any **THREE** questions

20. Explain in detail about the functions of statistics.
21. Discuss the various methods of collecting primary data.
22. Explain Lorenz curve.
23. Calculate median and mode to the following.

Wages Rs.	20-30	30-40	40-50	50-60	60-70
No. of labourers	3	5	20	10	5

24. Find coefficient of variation to the data given below.

Marks	0-20	20-40	40-60	60-80	80-100
No. of students	8	12	30	20	10

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