

B.A. DEGREE EXAMINATION, NOVEMBER 2018
I Year I Semester
Core Major- Paper II
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. What is descriptive statistics?
3. What do you mean by Secondary Data.
4. Define Classification of Data.
5. What is absolute histogram?
6. Write any two limitations of diagrammatic presentation?
7. Calculate arithmetic mean of the following data
X: 5, 10, 15, 20, 30, 40, 50, 30
8. Determine the median from the following data
X: 25, 15, 23, 40, 27, 25, 23, 25, 20.
9. Define dispersion
10. What is Range?
11. Define Mode
12. What is coefficient of variation?

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

Answer any **FIVE** questions

13. What are the functions of statistics?
14. Explain the Stratified Sampling Technique with its merits and demerits.
15. Diagrammatically explain Lorenz Curve.
16. Calculate median from the following data.

Marks	0-10	10-20	20-30	30-40	40-50
Frequency	5	12	18	10	5

17. The following table gives marks of a few students in mathematics and statistics calculate dispersion by using range method.

Sl.No	1	2	3	4	5	6	7
Mathematics	33	40	58	30	60	45	48
Statistics	60	72	36	85	35	52	76

18. Diagrammatically explain different types of bar diagram.
19. Calculate Standard Deviation for the following Data:
Marks : 45, 60, 45, 60, 50, 30, 55, 20, 10, 25

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

Answer any **THREE** questions

20. Explain the nature and Scope of Statistics.
21. Explain the methods employed in the collections of primary data.
22. Draw a pie diagram of the following data.

Crops	Rice	Jowar	Bajra	Maize	Wheat
A.... of cultivation (in 1000 hectors)	3123	1572	324	296	110

23. Calculate mean, median from the following data.

Marks	0-20	20-40	40-60	60-80	80-100
Frequency	10	24	36	20	10

24. Calculate standard deviation for the following distribution

Profit (in Crores)	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
No. of Companies	15	29	31	43	56	35	28	13

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