

CODE: **195310**
NOVEMBER 2020

TIME: 3 Hrs
MAX. MARKS: 50

PART A

(10 x 2=20)

Answer any **TEN** questions.

1. What do you mean by lottery method?
2. What is classification data?
3. What is Arithmetic mean?
4. What is Range?
5. What are Index numbers?
6. What is a Parameter?
7. State the properties of t-distribution?
8. Define Students't'-statistic?
9. What do you mean by hypothesis?
10. What is Standard Error?
11. Calculate Range for the following:
158, 164, 168, 170, 142, 160, 154, 174, 159, 146
12. Find median for the following:-
71, 30, 61, 59, 31, 40, 29.

PART B

(2 x 5=10)

Answer any **TWO** questions.

13. Distinguish between primary and secondary data.
14. Explain the significance of diagrams and graphs.
15. Write a short note on co-efficient of variation.
16. Distinguish between correlation and regression.
17. Write a short note on level of significance.
18. Briefly explain the uses of various measures of Average.
19. Explain the hypothesis testing procedure.
20. Briefly explain the method of constructing Pie-diagram.

PART C

(2 x 10=20)

Answer any **TWO** questions.

21. Discuss the various sampling methods.
22. Find Mean, Median, Mode and Quartile Deviation from the following table:

C-I	0-5	5-10	10-15	15-20	20-25	25-30
F	18	20	36	40	26	16

23. Find the two regression equations from the following data:

X:	6	2	10	4	8
Y:	9	11	5	8	7

24. Diagrammatically explain One tailed and Two tailed tests.
25. Describe Type I and Type II Errors.
