

MELVISHARAM - 632 509.
SEMESTER EXAMINATIONS, NOVEMBER - 2018

SEMESTER V

Time: Three Hours

Maximum: 75 Marks

Answer **ALL** Questions.

- SECTION - B (5 X 5 = 25 Marks)

Answer **ALL** Questions.

12. a) Find out the mean of the following data.

Class	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	15	13	33	24	26	30	24

(Or)

- b) Find out the Standard deviation of the following data.
- | | | | | | | |
|---------------------|---|---|---|----|----|----|
| Size of the class X | 6 | 7 | 8 | 10 | 11 | 12 |
| Frequencies | 3 | 6 | 6 | 5 | 8 | 4 |
13. a) Write the test of hypothesis and explain the process of Statistical Hypothesis Testing?

(Or)

- b) Explain- Chi square Test and Write its characteristics features.

(Or)

15. a) Give a note on Pairwise Sequence Alignment.
(Or)
b) Explain Z-score and Dot Plot.

(Or)

SECTION - C (3 X10 = 30 Marks)

Answer ANY THREE Questions.

16. Draw the frequency polygon for both groups on the same areas.

Marks	30-40	40-50	50-60	60-70	70-80	80-90	90-100
Group A	10	4	5	8	4	5	3
Group B	8	6	5	9	8	7	5

17. Calculate the Mean deviation and Standard deviation from the following data.

Marks	5	10	7	8	10	15	20	10
No. of Students	20	30	40	10	80	90	70	50

18. Calculate the T value from the given data.

Group A	2	5	7	9	6	7
Group B	4	4	16	11	9	8

19. Write a detailed notes and importance of PIR, Swiss, PDP and SCOP.

20. Describe briefly PAM, FASTA and PHYLIP.
