BPC - 004 : STATISTICS IN PSYCHOLOGY
Tutor Marked Assignment (TMA)

Course Code: BPC-004
Assignment Code: BPC-004/AST/TMA/2019-2020
Marks: 100

NOTE: All Questions are Compulsory. The answers to be written in own words.

SECTION A

Answer the following question in about 1000 words each   **15 *x* 3 = 45 Marks**
(wherever applicable)

1. Describe classification and graphical presentation of data.
2. Calculate Pearson's Product Moment Correlation for the following data:

Data A	8	9	4	5	10	12	11	4	5	6
Data B	7	8	5	4	9	10	11	6	7	5

3. The scores obtained by the two groups of employees on work motivation scale are given as follows, compute t test and find if significant difference exists between the two groups:

Group A	23	12	23	21	21	18	22	19	32	23
Group B	15	16	21	20	17	19	20	25	27	28

SECTION B

Answer the following questions in about 400 words   **5 *x* 5 = 25 Marks**
(wherever applicable) each

4. Compute mean, median, mode for the following data

   53,42,35,46,47,63,44,32,66,58,66,59,66,35,44,59,65,34,49,65

5. Elucidate the properties and limitations of quartile deviation and average deviation.

6. Discuss scales of measurement with suitable example.

7. Discuss the fundamental concepts in determining the significance of the difference between means.

8. Compute Chi-square for the following data:

	Responses	
	Agree	**Disagree**
Senior Managers	23	27
Junior Manager	15	25

SECTION C

Answer the following in about 50 words each   **10 x 3 = 30 Marks**

9. Meaning of statistics

10. Point estimation

11. Mean

12. Variance

13. Use of Range

14. Linear relationship

15. Outliers

16. Parametric statistics

17. Types of probability

18. Kurtosis