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MPC-006

MASTER OF ARTS IN PSYCHOLOGY

(MAPC)

Term-End Examination

December, 2025

MPC-006 : STATISTICS IN PSYCHOLOGY

Time : 2 Hours

Maximum Marks : 50

***Note :** All Sections are compulsory. Use of simple calculator is permitted.*

Section—A

***Note :** Answer any **two** of the following questions in about **450** words each.*

2×10=20

1. Describe the measures of central tendency and measures of dispersion. 5+5

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P. T. O.

2. Compute one-way ANOVA (Parametric test)
for the data given ahead : 10

Group A	Group B	Group C
2	3	5
3	3	5
2	5	3
2	5	3
4	2	2
4	2	2

3. Compute Pearson's product moment
correlation for the following data : 10

Data A	Data B
3	4
4	3
7	9
8	9
3	4
2	3
6	7

4. Describe the characteristics of normal probability curve with the help of suitable diagrams. 10

Section—B

Note : Answer any **four** of the following questions in about **250** words each.

4×6=24

5. Compute Mann-Whitney U-test for the following data : 6

Group A	Group B
3	10
11	4
7	8
13	12
9	21
14	15
17	19
16	32
30	40
31	23

6. Compute Chi-square for the following data :

6

	Responses	
Gender	Agree	Disagree
Males	12	13
Females	20	25

7. Explain the two-tailed and one-tailed tests of significance. Describe the steps in setting up the level of significance. 3+3
8. Describe partial correlation with the help of an suitable example. 6
9. Describe the levels of measurement with the help of suitable examples. 6

Section—C

Note : Write short notes on any **two** of the following in about **50** words each. $2 \times 3 = 6$

- | | |
|-----------------------------|---|
| 10. Decision errors | 3 |
| 11. Non-linear relationship | 3 |
| 12. Regression equation | 3 |

x x x x x