MPC–006

M. A. (PSYCHOLOGY)

(MAPC)

Term-End Examination

June, 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 (wherever applicable).*   2×10=20

1. Explain classification and organisation of data with suitable examples.   10

2. Compute one-way ANOVA (parametric test) for the following data : 10

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

3. Compute Spearman's rho for the following data : 10

Data A	Data B
3	2
4	8
6	7
5	3
8	12

13	4
9	15
1	1
12	10
11	9

4. Describe the assumptions of parametric and non-parametric statistics.   10

Section—B

Note : *Answer* *any* ***four*** *of the following questions in about* ***250*** *words each (wherever applicable).*   4×6=24

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

Group A	**Group B**
23	8
25	24
28	26
30	27

11	36
10	31
9	1
4	13
7	5
6	12

6. Compute Chi-square for the following data :

6

Gender	Responses	
	Yes	No
Males	10	5
Females	15	20

7. Discuss the errors in hypothesis testing.   6

8. Explain the characteristics of normal probability curve.   6

9. Describe the merits and demerits of two-way ANOVA.   3+3

Section—C

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

10. Level of significance   3

11. Kurtosis   3

12. Kendall's tau   3

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