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MPC-006

M. A. (PSYCHOLOGY)

(MAPC)

Term-End Examination

June, 2026

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** questions in about 450 words each (wherever applicable).*

2×10=20

1. Explain Inferential Statistics. Describe the general procedure for testing a hypothesis. 6+4

2. Compute regression equation for variable Y with the help of the following data : 10

	1	2	3	4	5
Variable X	7	6	10	7	10
Variable Y	9	7	10	4	5

3. Explain divergence in normality with the help of suitable diagrams. Describe the factors causing divergence in normal distribution. 5+5

4. Compute one way ANOVA (Parametric Statistics) for the following data : 10

Group A	5	4	2	3	1	1
Group B	2	2	2	3	2	2
Group C	2	2	4	2	3	2

Section—B

Note : Answer any **four** questions in about **250**

words each (wherever applicable). $4 \times 6 = 24$

5. Explain graphical and diagrammatic presentation of data. 3+3
6. Compute Chi-square for the following data : 6

Responses

Yes No

Males	5	10
Females	3	2

7. Compute Kendall's tau for the following data : 6

	A	B	C	D	E
Variable X	5	7	4	1	8
Variable Y	7	3	8	5	10

8. Describe the steps in Spearman's rho.
Explain significance testing in Spearman's rho. 3+3
9. Describe the merits and demerits of two way ANOVA. 6

Section—C

Note : Write short notes on any **two** in about
100 words each. 2×3=6

10. Tabulation 3
11. Outliers 3
12. Two-sample tests 3

x x x x x