

No. of Printed Pages : 5

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).* $2 \times 10 = 20$

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

B-1660/MPC-006

P. T. O.

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. $2 \times 3 = 6$

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|---------------------------|---|
| 10. Level of significance | 3 |
| 11. Kurtosis | 3 |
| 12. Kendall's tau | 3 |

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