No. of Printed Pages : 4 **MGGL–002(Set-I)**

MASTER OF SCIENCE IN GEOGRAPHY (MSCGG)

Term-End Practical Examination

June, 2025

MGGL-002(Set-I) : METHODS OF GEOGRAPHICAL ANALYSIS : QUANTITATIVE AND QUALITATIVE

Time : 3 Hours *Maximum Marks : 50*

Note : *Attempt any* ***five*** *questions. Marks are indicated against each question.*

1. The rainfall data of 90 days are given below. Find out the arithmetic mean of the following data : 10

Rainfall (CM)	No. of Days
0–10	08
11–20	12
21–30	18

31–40	24
41–50	20
51–60	07
61–70	11

2. Marks of 100 students are given below. Calculate the standard deviation of the following data : 10

Marks Obtained	**No. of Students**
0–10	08
11–20	10
21–30	16
31–40	18
41–50	20
51–60	08
61–70	06
71–80	04
81–90	07
91–100	03

3. Find out Spearman's rank coefficient of correlation of the two variables of the following dataset : 10

X	Y
53	47
98	25
95	32
81	37
75	30
61	40
59	39
55	45

4. Find out two regression equations by using least square method of the data given below : 10

No. of hours devoted by the student (X)	Marks obtained (Y)
95	95
92	88
90	90
86	82
82	77
80	75
76	78
70	72

5. Draw and label a Normal Probability Curve. Discuss its main properties in detail. 10

6. Calculate the t-test for the below given data : 10

Student	Score 1	Score 2
A	03	12
B	05	13
C	12	20
D	15	29
E	16	32
F	17	23
G	19	18
H	23	25
I	24	15
J	32	30

7. Devise a list of ways, strategies and techniques used in Participatory Action Research on the problems faced by rural and farming communities in India. 10

× × × × ×