No. of Printed Pages : 5 **MGGL–002(Set-II)**

MASTER OF SCIENCE IN GEOGRAPHY (MSCGG)

Term-End Practical Examination

June, 2026

MGGL-002(Set-II) : 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. Calculate the standard deviation for the data given below : 10

Score	No. of Students
20–30	5
31–40	7
41–50	10
51–60	34

61–70	28
71–80	10
81–90	08
91–100	03

2. Calculate the standard score by Z-score method for the data given below : 10

Literacy Rate	**Work Participation Rate**
44.96	21.34
54.32	30.32
78.56	32.48
62.38	35.56
43.65	48.92
72.72	28.82

3. Draw a scatter plot for the data given below. Identify the type of correlation. 10

Districts	**Urban Population(s)**	**Literacy (%)**
A	87	28
B	45	40

C	68	42
D	83	32
E	78	40
F	89	27
G	76	41
H	83	28
I	89	27
J		

4. Find out two regression equations by using least square method with the help of the following data. Calculate out best value of X and Y, when the value of X = 6 and Y = 9. 10

X	**Y**
6	9
2	11
10	5
4	8
8	7

5. Average height of class IX students in a school is 5.5 feet with a standard deviation

of 0.5 feet. Out of 100 students, how many of them are expected to be of height more than 6.00 feet. 10

6. Devise a list of ways to make your research participatory. What are some of the major challenges associated with doing Participatory Action Research (PAR) in geography. 10

7. Ten students of M. Sc. (Geography) gave a test in Geomorphology. They were given a special coaching for two months and a special test of equal difficulty level was conducted at the end of it. The results of both the tests are given below : 10

Students	**Marks of Test I**	**Marks of Test II**
1	43	46
2	52	55
3	48	47
4	57	54
5	67	68
6	72	76

7	36	39
8	28	28
9	70	68
10	32	30

Find out that the marks give evidence that students have benefitted by extra coaching. ($t_{.05}$ for 10 d.o.f. = 2.28).

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