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

M. SC. (GEOGRAPHY) (MSCGG)

Term-End Practical Examination

December, 2024

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

Time : 3 Hours *Maximum Marks : 50*

Note **:** (*i*) *Attempt any* ***five*** *questions.*

(*ii*) *Marks are indicated against each question.*

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1. The daily wages of 100 workers are given below. Find out the arithmetic mean of the following data : 10

Daily Wages	No. of Workers
0—50	2
51—100	5
101—150	7
151—200	14
201—250	16
251—300	22
301—350	28
350—400	16

2. The call period details of 300 calls of a customer are given below. Find out the standard deviation of the following data : 10

Period of Calls (seconds)	No. of Calls
0—30	9
31—60	17
61—90	43
91—120	82
121—150	81
151—180	44
181—210	24

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

X	Y
66	40
20	30
28	50
12	30
40	20
60	10
20	30
80	40

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

Height of Fathers (X) in inches	Height of Children (Y) in inches
65	67
66	68
67	64
67	68
68	62
69	70
71	69
73	70

5. Average height of 100 students of class XII in a school is 5.3 feet with standard deviation of 0.6 feet. How many of them are expected to be height more than 6.0 feet and what would be the average height of the tallest 5% of the student in the class ? 10

6. In a random sample of 800 persons from Maharashtra, 200 are found to be consumers of vegetables oil. In another samples of 600 persons from Gujarat, 200 persons are found to be consumers of vegetable oil. Find out whether

the data reveals a significant difference between Maharashtra and Gujarat so far as the proportion of vegetable oil consumers is concerned. 10

7. While conducting a Focused Group Discussion (FGD) on poverty and backwardness in the region at community level, discuss various steps involved and a set of questions that would be discussed during the FGD. 10

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