

UG/3rd Sem (H)/Pr/22/(CBCS)

2022

GEOGRAPHY (Honours)

Paper Code : DC-6B

[Statistical Methods in Geography]

(Practical)

Set - 3

Full Marks : 15

Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Answer all questions.

1. Calculate the standard Deviation and coefficient of variation from the following data. 5+2=7

Marks	Number of Students
0-10	5
10-20	12
20-23	30
30-40	45
40-50	50
50-60	37
60-70	21

(2)

2. Compute the correlation between age and weight by Karl Pearson's coefficient of correlation and interpret the result. 4+1=5

Age	Weight (kg)
38	78
21	68
24	60
31	51
38	80
46	65
54	66

3. Laboratory Note Book and Viva-voce. 1.5+1.5=3
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[Statistical Methods in Geography]

(Practical)

Set - 1

Full Marks : 15

Time : One Hour Thirty Minutes

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Answer all questions.

1. The following is the information on ages and cholesterol levels for a random sample of 10 men. Find out the regression of cholesterol level on age. Predict the cholesterol level of a 72-years old man. 6+1=7

Age	Cholesterol Level
58	189
69	235
43	193
39	177
63	154
52	191
47	213
31	165
74	198
36	181

2. The following is the age distribution of the persons residing in an area. Find out the median age. 5

Age (Years)	Number of Persons (Thousand)
Below 10	2
Below 20	5
Below 30	9
Below 40	12
Below 50	14
Below 60	15
Below 70	15.5
Below 80	15.6

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$$1.5+1.5=3$$

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[Statistical Methods in Geography]

(Practical)

Set - 2

Full Marks : 15

Time : One Hour Thirty Minutes

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Answer all questions.

1. Compute the correlation between the height of father and height of son by Karl Pearson's coefficient of correlation and interpret the result. 6+1=7

Heights of father (cm)	Height of son (cm)
65	67
66	68
67	64
67	69
68	72
67	70
71	69
73	73

(2)

2. The following is the distribution of marks obtained by students in a subject in an institution. Find out the Geometric mean marks of the students. 5

Marks	Students
4-8	6
8-12	10
12-16	18
16-20	30
20-24	15
24-28	12
28-32	10
32-36	6
36-40	2
40-44	3

3. Laboratory Note Book and Viva-voce. $1.5+1.5=3$
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