

U.G. 3rd Semester Examination - 2021

GEOGRAPHY

Course Code : BGEOCCHS303

Course Title : Statistical Methods in Geography

[PRACTICAL]

Full Marks : 20 Time : 1 Hour

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer **all** the questions.

1. a) What are the different types of geographical data? 2
- b) What is the difference between
 - i) continuous class and discrete class? 1
 - ii) open class and closed class? 1
- c) Mention two advantages and two disadvantages of using mean. 2
- d) What are the measures of dispersion? 2
- e) What are the different types of probability distribution? 2
2. a) Weight of 20 persons is given below. Prepare a frequency distribution table from the given data

by “inclusive” method with class interval as 10. 3

95	76	72	67	69
78	80	48	86	59
94	95	48	58	75
89	93	69	81	68

- b) Data on monthly salary of families is given below.

What percentage of families earn more than Rs.20000? 2

Monthly Salary (Rs.)	No. of families
more than 0	250
more than 5000	200
more than 10000	120
more than 15000	80
more than 20000	55
more than 25000	30
more than 30000	15
more than 35000	5

- c) Refer to the data given below. Which station has highly variable rainfall? 2

	Mean Rainfall (cm)	Standard Deviation
Station X	300.7	112.27
Station Y	359.4	150.43

- d) Calculate the correlation coefficient (r) when coefficient of regression (R^2) is 0.8. 1
- e) Calculate 5-month moving average of the given data. 2

Months	Rainfall (mm)
January	6.8
February	25.8
March	22.4
April	41.1
May	53.1
June	183.5
July	246
August	284.9
September	186.9
October	38.1
November	20.1
December	7.6