

U.G. 3rd Semester Examination - 2020

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.

1. Answer **all** the questions : 2×5=10

a) What are the sources of geographical data?

b) Match the following:

Variable	Scale of measurement
1. Hardness of minerals	i. Nominal
2. Temperature	ii. Ordinal
3. Rainfall	iii. Interval
4. Soil Type	iv. Ratio

c) Refer to Table 1. How many students have scored above 75%marks?

% Score	No. of Students
55 – 60	7
60 – 65	17
65 – 70	51
70 – 75	79
75 – 80	89
80 – 85	97
85 – 90	100

d) What are the different types of sampling?

e) What is the difference between correlation and regression?

2. The following data are the ages of Internet users obtained from a sample:

41	15	31	25	24
23	21	22	22	18
30	20	19	19	16
23	27	38	34	24
19	20	29	17	23

- a) Prepare a frequency distribution table for the given data. 3
- b) Calculate the mean age of Internet users. 2
3. Determine the equation of the regression line for the following data and compute the residuals. 3+2=5

Table 2	
Rainfall (cm)	Yield (t / ha)
12	5.27
18	5.68
24	6.25
30	7.21
36	8.02
42	8.71
48	8.42
