

**B.Sc. Semester-III Examination, 2022-23****GEOGRAPHY [Honours]****Course ID : 31923****Course Code : SH/GEO/303/C-7****Course Title : Statistical Method in Geography (Practical)****Time : 3 Hours****Full Marks : 40***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.****SET-I****SECTION-A**

1. What do you mean by systematic sampling? Compute the mean from the following frequency distribution of earners by monthly income and interpret it.

**2+6+2=10****Table-1**

Income (Rs.)	Below 200	200-399	400-599	600-799	800-999	1000-1199
	25	72	47	22	13	7

2. What do you mean by correlation? Marks obtained by 12 students at the college test(x) and the university examination(y) are as follows. What is your estimate of the marks a student could have obtained in the university test if he obtained 60 in the college test but was ill at the time of university test?  $2+8=10$

**Table-2**

X	41	45	50	68	47	77	90	100	80	100	40	43
Y	60	63	60	48	85	56	53	91	74	98	65	43

3. Laboratory Notebook. 5

**SECTION-B**

4. With the help of the data given in the table, construct a histogram, frequency polygon and ogive using MS Excel. Find out median and standard deviation from the following data using MS Excel.

$2+2+2+2+2=10$

**Table-3**

Population Density (in sq km)	0-500	500-1000	1000-1500	1500-2000
Frequency	2	5	8	26
Population Density (in sq km)	2000-2500	2500-3000	3000-3500	3500-4000
Frequency	12	10	8	3

5. Viva voce 5