2021

GEOGRAPHY — HONOURS — PRACTICAL

Eighth Paper

(Group - A)

Module - 15

Full Marks : 50

The figures in the margin indicate full marks.

1. (a) What is meant by discrete data? Give two examples of discrete data.

(b) What is meant by primary data? Give examples. (1+1)+2

2. Monthly salaries of 550 employees are given below :

Table - 1

Monthly Salary (₹)	Number of Employees
3000 - 3500	140
3500 - 4000	199
4000 - 4500	87
4500 - 5000	57
5000 - 5500	37
5500 - 6000	30

(a) Draw a histogram and an ogive from the given data.

(b) Compute mean and median.

(c) Calculate 3rd quartile and 7th decile.

(d) Comment on the distribution. (2+3)+(2+2)+(2+2)+2

3. The following table shows the frequency distribution of rural population density in the CD Blocks of Hoogly District and North Twenty-four Parganas Districts. Which district show less variability of population density? 3+3+1

Table-2

Rural Population Density (Persons per square kilometer)	Number of CD Blocks	
	Hoogly District	North Twenty-four Parganas District
600 - 800	2	3
800 - 1000	3	1
1000 - 1200	2	7
1200 - 1400	5	4
1400 - 1600	2	4
1600 - 1800	2	0
1800 - 2000	2	3

4. Using data provided in Table 3 :

(a) Draw a time series graph.

(b) Compute and draw trend by 3 years moving average method.

(c) Interpret the graph. 3+4+2

Table - 3

Year	Value of Exports from Kolkata Port in Crores of Rupees
2006 - 2007	3216
2007 - 2008	4975
2008 - 2009	5604
2009 - 2010	5742
2010 - 2011	7085
2011 - 2012	5536
2012 - 2013	7715
2013 - 2014	11832
2014 - 2015	16963

5. Using data provided in Table 4 :

(a) Draw a scatter diagram.

(b) Compute and draw the line of best fit by the method of least squares.

(c) Calculate Correlation Coefficient and interpret the relationship between variables.

(d) What will be the expected road density if the relative relief is 500 meter? 3+(3+2)+(3+2)+2

Table - 4

Relative relief (in meter)	Road Density (km. per sq. km.)
880	0.0
420	0.5
600	0.5
518	0.25
120	3.5
120	1.75
460	0.25
260	2.25
80	2.0
240	1.5