

Department of Geography
 S.R.Fatepuria College
 University of Kalyani 2020
GEOGRAPHY (HONS) PRACTICAL
 Paper-VI
 Sub: **Statistical Methods**

The figures in the right hand margin indicate marks
 Answer all questions

Full Marks: 50

Times: 4 Hours

Q.1

- a. What are the advantages of mean as a measure of central tendency? 2
- b. what are the use of a frequency distribution? 2
- c. what is meant by the term correlation? 2
- d. what do you understand by the term dispersion? 2
- e. distinguish between discrete and continuous variables. 2

Q. 2

Table.No-1 shows the monthly consumption expenditure (in Rs) per person in the states and union territories of India.

Table -1

Monthly Consumption Expenditure per person (in Rs)

727,721,541,528,796,1012,1117,972,553,624,1250,839,514,401,776,589,796,605,775,592,458,307,1198,761,767,577,729,552,577,479

- a. Construct a frequency distribution table with six equal classes 5
- b. Calculate the mean, median and mode 3+3+3=9
- c. Draw histogram and Ogive 3+3=6

Q.3

Table No-2 show the percentage of urban population and literacy rate at some district of west Bengal in 2001

- a. Draw a scatter diagram and the line of best fit. 4+4=8
- b. interpret the relationship between the variables. 2

Districts	Percentage of urban population	Literacy rate in percent
Birbhum	8.57	61.48
Bankura	7.37	63.44
Puruliya	10.07	55.57
Howrah	50.36	77.61

Nadia	21.27	66.14
Murshidabad	12.49	54.35
Maldah	7.32	50.28
Jalpaiguri	17.84	62.85
Darjiling	32.34	71.19
Coach Bihar	9.10	66.30

Q.4 the following table shows the production of oil seeds in India during 1993-94 to 2001-02

year	Production million tones
1993-94	21.50
1994-95	21.34
1995-96	22.11
1996-97	24.38
1997-98	21.32
1998-99	24.75
1999-00	20.72
2000-01	18.44
2001-02	20.80

- a. Draw a time series graph
- b. Compute the trend by 3year moving average and show it on the graph. $5+5=10$

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