

2020
GEOGRAPHY-HONOURS-PRACTICAL
Eight Paper
(Group-A)
(Statistical Techniques)
(Module-15)
Full Marks-50

Answer any two from the following

Q.1 .

Table No 1 present the frequency distribution of 50 years records of annual rainfall at a station.

Table No:1

Annual Rainfall(cm)	Numbers of Years
100-120	2
120-140	1
140-160	3
160-170	6
170-180	8
180-190	7
190-195	13
195-200	10

a)Calculate the mean,median,mode,lower Quartile and 70th percentile.**4+4+4+4+4**

b)Draw a histogram. **5**

Q.2.

a)Draw a time series graph to show the variation in total foodgrain production in India (table no:2) **10**

b)Compute and draw the Linear trend and 2 yrs moving Average.**10**

c)What will be the expected food grain production in 2018-2019. **5**

Table No:2

Year	Total Food grain production (million tonnes)
2005	208.60
2006	217.28
2007	230.78
2008	234.47
2009	218.11
2010	244.49
2011	259.29
2012	257.13
2013	265.04

Q.3.

a) Draw a scatter diagram on the basis of data provide in (Table No.3). **10**

b) Compute and draw the linear trend for regression of infant mortality rate on percentage of population with least secondary education. **10**

c) Calculate the correlation coefficient after Karl Pearson and comment on the nature of relationship. **5**

Table No:3

Country	Infant Mortality Rate (deaths per 1000 live births)	Percentage of population with at least secondary education (% ages 25 and Older)
Sri Lanka	14	73.9
China	16	62.7
Philippines	23	64.8
Indonesia	27	41.4
Viet Nam	19	26.3
India	48	38.7
Bhutan	44	34.4
Bangladesh	38	35.1
Pakistan	70	31.2
Nepal	41	28.3
