

# B.A/B.Com/B.Sc/BBA Degree Examination –Model Paper

## Elementary Statistics

Time: 2 Hours

Marks: 50

Answer any five of the following

5\*4=20

1. Define Statistics. Explain its merits and demerits
2. Define Data. Explain the primary data collection methods with suitable examples
3. Define Average. Explain types of average
4. Explain features of good average.
5. Define skewness
6. Define correlation. Explain types of correction
7. Quartile Deviation
8. Variance

Answer all the following

3\*10=30

9. Explain the importance of statistics

(OR)

10. Draw a pie diagram from the following

	Family A	Family B
Income	500	300
Food	250	120
Rent	100	75
Clothing	100	60
Sundries	50	45

11. Calculate mode from the data given below

Marks(Less Than)	20%	30%	40%	50%	60%	70%	80%	90%
No of Students	15	35	60	84	96	127	198	250

(OR)

12. The weekly earnings of 187 employees of a company is given in the table. Find the mean of the weekly earnings.

Earnings	100	120	140	160	180	200	210
Employees	5	8	12	16	22	44	80

13. Compute Inter Quartile Range, Co-efficient of Quartile Deviation and Percentile Range for the following data.

X	4	8	12	16	20	24	28	32
F	4	9	17	40	53	37	24	16

(OR)

14. Find out Rank-Correlation from the ranks given below:

X	3	5	8	10	9	7	4	1	2	6
y	4	8	7	9	3	1	2	10	6	5