

B.A/B. Sc-I

Paper-III (Practical ST-203)

Time: 3 Hours

Max. Marks: B. Sc: 100

B.A: 60

Practical

Note: Five questions will be set. The candidate will be required to attempt any three.

1. To construct frequency distributions using exclusive and inclusive methods
2. Representation of data using Bar and pie diagrams
3. Representation of data using Histogram, Frequency Polygon, Frequency Curve and Ogives.
4. To toss a coin at least 100 times and plot a graph of heads with respect to number of tosses.
5. To compute various measures of central tendency and dispersion.
6. To obtain first four moments for the given grouped frequency distribution.
7. To apply Charlier's checks while computing the moments for a given frequency distribution.
8. To obtain moments applying Sheppard's correction.
9. To obtain various coefficients of skewness and kurtosis.
10. To discuss the association of attributes for a 2x2 contingency table using Yule's coefficient of association and colligation.
11. To compute Karl Pearson's coefficient of correlation for given bivariate frequency distribution.
12. To find Spearman's rank correlation coefficient for given data.
13. To fit the straight line for the given data on pairs of observations.
14. To fit the second degree curve for the given data.
15. To fit the curve of the type $Y = aX^b$ for the given data on pairs of observations.

16. To obtain the regression lines for given data.
19. To compute partial and multiple correlation coefficients for the given trivariate data.
20. To obtain plain of regression for the given trivariate data.
21. To fit binomial distribution to given data.
22. To fit Poisson distribution to given data.
23. To fit normal distribution to given distribution using area under the normal curve.
24. To fit normal distribution to given distribution using method of ordinates.

Distribution of marks:

	B. Sc.	B.A
Class Record:	10	06
Viva Voce:	10	06
Practical:	80	48