

**B.A/B. Sc-II**

**Paper-III (Practical  
ST-403)**

Time: 3 Hours  
Sc: 100

Max. Marks: B.

B.A: 60

**Practical**

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

1. To apply large sample test of significance for single proportion and difference of two proportions and obtained their confidence intervals.
2. To apply large sample test of significance for single mean and to obtained confidence interval.
3. To apply large sample test of significance for difference between two means and standard deviations.
4. To apply t-test for testing single mean and difference between means and to obtain their confidence intervals.
5. To apply paired t-test for difference between two means.
6. To apply Chi-square test for goodness of fit.
7. To apply Chi-square test for independence of attributes.
8. To apply test of significance of sample correlation coefficient.
9. To apply F-test for testing difference of two variances.
10. To apply sign test for given data.
11. To apply Run test for given data.
12. To apply Median test for given data.
13. To apply Mann Whitney U-test for given data.
14. To find standard error of estimate of population mean in case of SRSWR & SRSWOR and comparison of these estimates.
15. To find standard error of estimate of population mean in case of stratified random sampling.
16. To find standard error of estimate of population mean in case of systematic sampling.
19. To perform ANOVA in case of CRD and test whether the treatments/varieties are equally effective.
20. To perform ANOVA for an RBD.
21. To perform ANOVA for an LSD.

**Distribution of marks:**

	<b>B. Sc.</b>	<b>B.A</b>
<b>Class Record:</b>	<b>10</b>	<b>06</b>
<b>Viva Voce:</b>	<b>10</b>	<b>06</b>
<b>Practical:</b>	<b>80</b>	<b>48</b>