

M.Sc. Semester-III Examination, 2022
 (Agriculture) in Genetics and Plant Breeding
 PAPER: AST-101 (Practical)

(STATISTICAL METHODS FOR APPLIED SCIENCES)

Full Marks: 30

Time: 3 Hours

Answer any **TWO** questions from the following:**10X2 = 20**

1. What are the basic principles of design of experiment? Fill the ANOVA table of an RBD design:

Source of Variation	Degree of Freedom	Sum of Square	Mean Sum of Square	F value
Blocks	4	4.135		
Treatment	4	21.457	?	?
Error	?	16.380	?	
Total	24	?		

5+5

2. Calculate the coefficient of variation of yield and plant height of rice from the following details. The mean and standard deviation for yield is 50 kg and 10 kg respectively. The mean and standard deviation for plant height is 55 cm and 5 cm respectively.
3. Laboratory note book. 5
4. Viva-voce. 5


