

M.Sc. Semester-I Examination, 2022
(AGRICULTURE) IN GENETICS AND PLANT BREEDING
PAPER: GPB 502 (PRACTICAL)
(PRINCIPLES OF PLANT BREEDING)

Full Marks: 30

Time: 3 Hours

1. Answer the following questions:

A. Perform emasculation of the given sample A/B. Explain the steps of hybridisation.

B. Fill the gap in ANOVA table. Also calculate GCV, PCV and Heritability and genetic advance from this table. [Grand mean = 50.76] 10

Source of variation	Degree of freedom	Sum of square	Mean Sum of square	F value
Replication	2	3.22	?	?
Treatment	?	?	?	?
Error	48	93.28	?	
Total	?	2805.09		

2. Laboratory note book.

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3. Viva-voce.

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