

Botany [Honours]

[CBCS]

B.Sc. Fifth Semester End Examination-2023

(Regular & Supplementary Paper)

PAPER-DSE2P

Practical

Full Marks: 20

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. Perform the test as instructed by the examiner.
 - a) Calculate chi-square test for goodness of fit for fixed ratio. Following number of seeds with the associated character is observed: Test the goodness of fit and comment.
Yellow seed: 128
Red seed: 108
 - b) Following number of seeds with associated character is observed. Test the goodness of fit and comment.
Yellow seed: 40
Red seed: 25
 - c) Following number of seeds with associated character is observed. Test the goodness of fit and comment.

Yellow seed: 66

Red seed: 19

d) Following number of seeds with associated character is observed. Test the goodness of fit and comment.

Yellow seed: 86

Red seed: 13

2. Show the fertility percentage of the supplied pollens (sampleB) with TTC stain. 4
[Requisition-1, Principle-2, conclusion-1]
 3. Perform the emasculation process by amputation in the supplied flower. 3
[Procedure-2, Demonstration-1]
 4. Submission of Laboratory Note-book. 2
 5. Viva-voce 3
-