

BOTANY

HSE-II

Time: 1½ Hours

Total score: 20

1. Prepare a T.S of the given specimen 'A' and identify giving reasons. Draw the ground plan and label the parts. Leave the preparation for valuation. (5 scores)

Preparation	: 2
Labelled Diagram	: 1½
Identification	: ½
Reasons	: 1

2. Observe the given specimen 'B'. (2 scores)

(a) Name the vegetative propagule	: ½
(b) Which plant part is modified	: ½
(c) Draw a neat labelled diagram	: 1

3. Identify the materials 'C' and 'D' at sight by giving reasons. (2 scores)

Identification	: ½ × 2 = 1
Reason	: ½ × 2 = 1

4. Identify the given stage 'E' of mitosis and give reasons. (1 score)

Identification	: ½
Reason	: ½

5. Write the aim of the experiment 'F'. Draw and label the parts. (1½ scores)

Aim	: ½
Labelled diagram	: 1

6. Construct the floral formula of the given flower 'G'. (1½ scores)

7. Write down the ecological interaction of the specimen 'H'. (2 scores)

Identification of interaction	: 1
Description	: 1

8. Prepare a C.S. of the given specimen 'I'. Draw diagram and label any two parts. Leave the preparation for valuation. (2 scores)

Section	: ½
Labelled diagram	: 1½

9. Ascertaining the awareness of concepts related to the experiment. (1 score)

10. Practical diary. (2 scores)