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SB—63—2022

FACULTY OF SCIENCE

B.Sc. (Second Year) (Fourth Semester) EXAMINATION

MAY/JUNE, 2022

(CBCS/New Course)

BOTANY

Paper-VIII

(Plant Embryology)

(Monday, 13-06-2022)

Time : 2.00 p.m. to 4.30 p.m.

Time— 2.30 Hours

Maximum Marks—40

N.B. :— (i) Attempt all questions.

(ii) Draw neat well labelled diagrams wherever necessary.

1. Describe the structure of pollen grain and development of male gametophyte. 15

Or

Describe in brief :

(a) Mechanism of pollination in *Salvia* plant. 8

(b) Self pollination and cross pollination. 7

2. Describe the structure of typical ovule. Explain in detail development of monosporic embryo-sac. 15

Or

Describe in brief :

(a) Nuclear and cellular type of endosperms. 8

(b) Post fertilization changes. 7

P.T.O.

3. Attempt any *two* of the four :

10

- (a) Male Sterility
- (b) Agents of Pollination
- (c) Orthotropous Ovule
- (d) Seed Dispersal.