

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2022
(Second Semester)

Branch – BOTANY

REPRODUCTIVE PLANT BIOLOGY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

$$(5 \times 1 = 5)$$

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

$$(5 \times 3 = 15)$$

- 6 a Explain any three cohesion of stamens.
OR
b Describe verticillaster inflorescence.

7 a Write the difference between Pr and Pfr forms.
OR
b Summarize the biochemical composition of phytochromes.

8 a Narrate the importance of Nemec phenomenon.
OR
b Comment on pollen morphology.

9 a Explain ruminant type of endosperm.
OR
b Discuss the development of embryo in monocot plant.

10 a Draw and explain simple dry fruits.
OR
b Describe types of seed germination.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry **EQUAL** Marks

(5 x 6 = 30)

- 11 a Enumerate the racemose inflorescence.

OR

- b Discuss cross pollination.

- 12 a Highlight the importance of biological clock.

OR

- b Point out the photoinduction of flowering.

- 13 a Summarize the abnormalities in pollen germination.

OR

- b Discuss the structure of ovules.

- 14 a Write a note on fertilization.

OR

- b Explain the development of endosperm haustoria.

- 15 a Comment on dry indehiscent fruits.

OR

- b Elucidate the methods of breaking seed dormancy.

Z-Z-Z

END