

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)

**BSc DEGREE EXAMINATION DECEMBER 2018**  
(Second Semester)

Branch - **ZOOLOGY**

**PLANT BIOLOGY - II**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** marks (10 x 2 = 20)

- 1 Write notes on Protoplast.
- 2 Explain the term Totipotency.
- 3 Name any two microorganisms used in the production of Penicillin.
- 4 Write the binomials of button and oyster mushrooms.
- 5 Write notes on Hedges.
- 6 Explain the term Trophy.
- 7 Name any two important cultivation species of *Jasminum*.
- 8 Write any two supporting plants for the cultivation of Pepper.
- 9 Write note on Assimilatory powers.
- 10 Define Photophosphorylation.

**SECTION - B (25 Marks)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Give a brief account on sterilization.  
OR  
b Write short notes on Shoot apex culture.
- 12 a Give short account on Penicillin.  
OR  
b Briefly explain the cultivation method of *Agaricus bisporus*.
- 13 a Give an account on Bonsai.  
OR  
b How to make and maintain a beautiful lawn?
- 14 a Describe the climbers for gardens.  
OR  
b Write a brief account on cultivation of Jasmine.
- 15 a Write short notes on physiological role of Auxins.  
OR  
b What are the external factors affecting photosynthesis?

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry. **EQUAL** Marks (3 x 10 = 30)

- 16 Write an essay on application of plant tissue culture in agriculture.
- 17 Give a detailed account on commercial production of Citric acid.
- 18 Briefly elucidate on Indoor garden.
- 19 Give an account on cultivation, marketing and uses of Pepper.