

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION DECEMBER 2017  
(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 What is plant tissue culture?
- 2 What is isolation of Protoplast?
- 3 Name the species and for Penicillin production.
- 4 What are button mushroom?
- 5 What are Laying?
- 6 Define indoor garden.
- 7 Write the uses of Jasmine.
- 8 How can chrysanthemum plant propagation?
- 9 What are plant growth regulators?
- 10 Define Light reaction.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Give an account on callus culture.  
OR  
b Explain the sterilization methods.
- 12 a Write the industrial production of citric acid.  
OR  
b Write note on mushroom cultivation.
- 13 a Describe the principles of Landscape.  
OR  
b Explain water garden technique.
- 14 a Explain about the propagation of turmeric.  
OR  
b Briefly explain the uses of Tagetis.
- 15 a Write short notes on photosynthetic pigments.  
OR  
b Write about the physiological role of cytokinins.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Write a detailed account on protoplast culture.
- 17 Write an essay on industrial production of citric acid.
- 18 Give an account on Lawn maintaining.
- 19 Give the cultivation and uses of chrysanthemum.
- 20 Give an account on fermentation.