

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

**BSc DEGREE EXAMINATION MAY 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 What is root culture?
- 2 What are cybrids?
- 3 Name the organism used in citric acid production.
- 4 What is pileus?
- 5 What are the criteria considered while designing a garden?
- 6 What is a lawn?
- 7 Give the binomial for turmeric?
- 8 Give any two medicinal uses of pepper.
- 9 List the functions (any two) of cytokinins.
- 10 What is 2, 4 - D?

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Review the applications of biotechnology in crop improvement.
OR
b Write short notes on shoot apex culture.
- 12 a Explain the commercial production of alcohol.
OR
b Write the morphology of mushroom.
- 13 a Write short notes on water garden.
OR
b Write about rock gardening.
- 14 a Explain the plant propagation methods.
OR
b Briefly explain about the bonsai technique.
- 15 a Write short notes on absorption spectrum of chlorophyll.
OR
b Write about aerobic and anaerobic respiration.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Discuss the media preparation for plant tissue culture.
- 17 Write an essay on industrial production of penicillin.
- 18 Write an essay on making and maintenance of lawn.
- 19 Give an account on cultivation and uses of Jasmine.
- 20 Describe the Calvin cycle.

Z-Z-Z

END