

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

**BSc DEGREE EXAMINATION DECEMBER 2022
(Second Semester)**

Branch – **ZOOLOGY**

PLANT BIOLOGY - II

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks

(5 x 1 = 5)

1. Who is known as the Father of tissue culture?
a) Bonner
b) Laibach
c) Haberlandt
d) Gautheret
2. What is the nutrient medium for beer?
a) Barley malt
b) Fermented cereals
c) Fermented molasses
d) Fermented juices
3. Which is a common feature of landscape gardening?
a) Lawn
b) Building
c) Exotic plant
d) All of the above
4. Which is the origin place of the black pepper?
a) Eastern Ghats, India.
b) Western Ghats, India
c) Himalayan region.
d) Plains of India.
5. The dark reaction of photosynthesis was worked out by:
a) Hatch and Slack
b) Melvin Calvin
c) Arnold
d) Emerson

SECTION - B (15 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks

(5 x 3 = 15)

- 6 a) Explain the process of sterilization.
(OR)
b) Illustrate the preparation of synthetic seeds.
- 7 a) Narrate the production process of citric acid.
(OR)
b) How is alcohol made?
- 8 a) What is rock garden and give suitable example?
(OR)
b) State the advantages of water garden.
- 9 a) Describe the propagation of jasmine.
(OR)
b) Explain the uses of pepper powder.
- 10 a) Illustrate the anaerobic process in fermentation.
(OR)
b) Classify the physiological role of auxins.

Cont...

SECTION - C (30 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 6 = 30)

11. a) Enumerate the preparation of plant tissue media.
(OR)
b) Assume the isolation and culture of plant protoplasts.
12. a) Elucidate the industrial production process of penicillin.
(OR)
b) Determine the cultivation of mushroom and their uses.
13. a) Justify the principle of landscape garden designing.
(OR)
b) Highlight the maintain of indoor garden.
14. a) Assume the economic importance of Asteraceae.
(OR)
b) Enumerate the cultivation of turmeric.
15. a) Discuss the light and dark reaction of photosynthesis.
(OR)
b) Classify the anaerobic process in fermentation.

Z-Z-Z

END