

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2025
(Second Semester)

Branch - ZOOLOGY

PLANT BIOLOGY- II

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	What type of plant is jasmine? (a) It is a herb (b) It is a vine (c) it is climber (d) Both b and c	K1	CO1
	2	Show the commercial propagation method which is using for jasmine cultivation. (a) Layering and cutting (b) Seed (c) Budding (d) Crown grafting	K2	CO2
2	3	Who coined the word social forestry? (a) Gifford Pinchot (b) J.C. Westboy (c) Sir Dietrich Brandis (d) Walter Hood Fitch	K1	CO1
	4	Relate the state Karnataka to (a) Bandipur National park (b) Mangrove forest (c) Gir forest (d) Jim Corbett National park	K2	CO2
3	5	Which one of following is used in preparing a natural mosquito repellents? (a) Nut grass (b) Elephant grass (c) Lemon grass (d) Congress grass	K1	CO1
	6	Show the common name of <i>Asparagus racemosus</i> (a) Malabar nut (b) Winter cherry (c) Long pepper (d) Shatavari	K2	CO2
4	7	Which of the following growth hormones produces apical dominance? (a) Ethylene (b) Cytokinin (c) Auxin (d) Gibberellin	K1	CO1
	8	Relate the protoplast with the following statement (a) Cell wall + Plasma membrane (b) Plant cell – cell wall (c) Cytoplasm + cell wall (d) Plasma membrane – cytoplasm	K2	CO2
5	9	Which one of the following is called as the 'brewers yeast' (a) <i>Saccharomyces cerevisiae</i> (b) <i>Saccharomyces boulardii</i> (c) <i>Saccharomyces pastorianus</i> (d) <i>Saccharomyces ludwigi</i>	K1	CO1
	10	Show the correct application of citric acid (a) Ink making (b) printing (c) Soft drinks making (d) None of these	K2	CO2

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SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Analyze the benefits accrue from a water garden	K4	CO3
		(OR)		
	11.b.	List out the advantages and disadvantages of indoor plants.		
2	12.a.	Categorize the minor forest products.	K4	CO3
		(OR)		
	12.b.	List out the objectives of social forestry.		
3	13.a.	Explain the active principles of medicinal plants.	K5	CO4
		(OR)		
	13.b.	Explain the medicinal uses of <i>Justiscia adhatoda</i> .		
4	14.a.	Explain the totipotency.	K5	CO4
		(OR)		
	14.b.	Evaluate the advantages and disadvantages of protoplast culture.		
5	15.a.	Elaborate the alcohol production.	K6	CO5
		(OR)		
	15.b.	Explain the citric acid production.		

SECTION - C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Classify the principles of garden designing.	K4	CO5
2	17	Explain the various types of social forestry.	K5	CO4
3	18	Discuss about medicinal uses and active principles of <i>Vitex negundo</i> .	K6	CO5
4	19	Explain the various methods of sterilization.	K4	CO5
5	20	Explain the major steps in the cultivation of common edible mushrooms.	K5	CO4

Z-Z-Z

END