

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2026
(Fifth Semester)

Branch - BOTANY

MAJOR ELECTIVE COURSE – I: SILVICULTURE & AGRO FORESTRY

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	Select the primary objective of India's National Forest Policy (1988). (i) Timber production (ii) Sustainable forest management (iii) wildlife conservation (iv) Afforestation	K1	CO1
	2	Show the minimum percentage of tree cover & area that defines a forest area in India. (i) 10% & 1-hectare (ii) 33% & 1-hectare (iii) 10% & 5-hectare (iv) 50% & 1-hectare	K2	CO1
2	3	Match the characterizes shelterwood silvicultural system? (i)Retention of mature trees (ii) Clear-cutting (iii)Selective logging (iv)Individual tree cutting	K1	CO2
	4	Show the indirect importance of forest (i) Arresting landslides (ii) Honey (iii) Condiments (iv) Fuel wood	K2	CO2
3	5	Choose the method of propagation in <i>Acacia catechu</i> . (i) Grafting (ii)Bulb (iii) Seeds (iv)Layering	K1	CO3
	6	Infer the first inspector general of forests in India. (i) J. A. Voelcker (ii) H. A. Gass (iii) J. A. Gamble (iv) D. Brandis	K2	CO3
4	7	Name the agroforestry system combines trees with livestock grazing. (i) Silvopasture (ii) Agrosilviculture (iii) Apiculture (iv) Shifting cultivation	K1	CO4
	8	Relate silviculture system is most suitable for a catchment area? (i) Clear felling (ii)Shelterwood (iii)selection (iv) Coppice forest	K2	CO4
5	9	Name the category of Non-Timber Forest Products (i)Major forest products (ii)Minor forest products (iii)Forest by-products (iv)Non-forest products	K1	CO5
	10	Infer on family to which <i>Santalum album</i> belongs. (i) Santalaceae (ii) Verbenaceae (iii) Orchidaceae (iv) Poaceae	K2	CO5

Cont...

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.	Infer on history of forestry development in India.	K2	CO1
	(OR)			
	11.b.	Outline on objectives & scope of silviculture.		
2	12.a.	Choose ecological factors that influence the growth of vegetation.	K3	CO2
	(OR)			
	12.b.	Select the best silviculture system in terms of fast regeneration.		
3	13.a.	Identify the best timber quality found in Bamboo.	K3	CO3
	(OR)			
	13.b.	Build on the characteristics of <i>Tectona grandis</i> .		
4	14.a.	Examine the necessity & scope of Agro forestry in people's life.	K4	CO4
	(OR)			
	14.b.	Inspect on Joint forest management.		
5	15.a.	List the activities found in environmentally sound forest harvesting practices.	K4	CO4
	(OR)			
	15.b.	Simplify on collection, processing and disposal of charcoal & lac products.		

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 on forest types.	K4	CO1
2	17	Inspect on the methods of natural & artificial regeneration of forests.	K4	CO2
3	18	Examine on important timber yielding plant.	K4	CO3
4	19	Simplify on the objective, scope & necessity of social forestry.	K4	CO4
5	20	List and explain any 5 non-timber forestry products	K4	CO5

Z-Z-Z

END