22TDCZOPTN / 22TDCZOPT

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

PG DEGREE EXAMINATION DECEMBER 2025
(Third Semester)

TRANS DISCIPLINARY COURSE
(Common to PG Programmes)

SILKWORM REARING

Time: Three Hours Maximum: 75 Marks

SECTION-A (10 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks (10 x 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	A silkworm feed on (a) Neem leaves (b) Mulberry leaves (c) Blackberry leaves (d) None of the above	K1	CO1
	2	What is Moriculture? (a) process of cultivating mulberry plants (b) process of leaves (c) process of cultivating silk (d) process of cultivating silkworm	K1	CO1
2	3	Silk is produced by (a) cocoon (b) adult moth (c) larva (d) larva and adult moth	K2	CO2
	4	The process of rearing a silkworm for silk is known as (a) Agriculture (b) Pisciculture (c) Sericulture (d) None of the above	K2	CO2
3	5	This species produces silk of the superior quality (a) Attacus atlas (b) Bombyx mori (c) Attacus ricini (d) Antheraea assamensis	K2	CO3
	6	A lot of feeding is required at the (a) Silkworm stage (b) Cocoon stage (c) Egg stage (d) Both (b) and (c)	K2	CO3
4	7	How many pairs of glands develop a cocoon? (a) One (b) Two (c) Five (d) None of the above	K1	CO4
	8	The silkworm is a (a) Caterpillar (b) Larva (c) Cocoon (d) Both (a) and (b)	K2	CO4
5	9	Silkworm secrete fibre made of (a) Proteins (b) Carbohydrates (c) Fats (d) Lipids	K1	CO5
	10	Domestication of silk worm is called (a) Pisciculture (b) Horticulture (c) Sericulture (d) Apiculture	K1	CO5

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SECTION - B (35 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks (5 × 7 = 35)

Module No.	Question No.	Que2stion	K Level	CO
1	11.a.	Explain the types of irrigation in Moriculture.	K3	CO1
		(OR)		
	11.b.	Briefly explain about planting methods of moriculture.		
2	12.a.	List out the bacterial diseases of mulberry and their control measures.	K5	CO2
		(OR)		
	12.b.	Discuss the deficiency diseases of Fe and K in Moriculture.		
3	13.a.	Comment on silk protein and its significance.	K4	CO3
		(OR)		
	13.b.	Explain scope and importance of sericulture.		
4	14.a.	Explain the methods of seed production.	K3	CO4
		(OR)		
	14.b.	What are environmental conditions required for young age rearing silkworm? Explain it.		
5	15.a.	Draw the model rearing house and its uses.	K4	CO5
		(OR)		
	15.b.	Detail the process of Hot and Cold acid treatment.		

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	Describe the propagation of seed and vegetative type of mulberry plant.	K4	CO1
2	17	Discuss the macro and micro nutritional composition of mulberry leaves.	K5	CO2
3	18	Discuss about the life stages of silkworm.	K5	CO3
4	19	Explain types of Silkworm seeds with suitable examples.	K4	CO4
5	20	Analyze the different types of rearing appliances used in sericulture.	K6	CO5

Z-Z-Z END