

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2025  
(Second Semester)

Branch - BOTANY

**ZOOLOGY-II**

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Question No.	Question	K Level	CO
1	Which of the following is the smallest order of class Insecta? a) Hemiptera                      b) Odonta c) Zeroptera                      d) Coleoptera	K1	CO1
2	Which insect order includes social insects like bees, ants, and wasps, and has chewing-lapping mouthparts? a) Coleoptera                      b) Hymenoptera c) Lepidoptera                      d) Orthoptera Correct	K2	CO1
3	Which of the following is a type of defoliator that feeds on rice leaves? a) Stem borer                      b) Planthopper c) Grasshopper                      d) Gall midge	K1	CO2
4	This is an effective plant insecticide a) Nicotine                      b) Cinerin c) Pyrethrin                      d) all of these	K2	CO2
5	The classification of pesticides is based on their: a) Color and density b) Mode of action and toxicity c) Target organism and chemical composition d) Origin (natural vs. synthetic)	K1	CO3
6	Which type of pesticide is specifically designed to control mites and ticks? a) Herbicide                      b) Fungicide c) Nematicide                      d) Acaricide	K2	CO3
7	The G4 variety of mulberry was developed from the cross-pollination of which two varieties? a) Kanva-2 and S-13 b) S-34 and M. Multicaulis c) M. Multicaulis and S-30 d) S-30 and Kanva-	K1	CO4
8	Which of the following is a bacterial disease that causes small, dark, angular spots on mulberry leaves? a) Powdery mildew                      b) Bacterial Leaf Spot c) Root knot                      d) Fungal leaf spot	K2	CO4
9	How many stages are there in the life cycle of a silkworm? a) 3                      b) 4                      c) 5                      d) 6	K1	CO5
10	Which of the following correctly sequences the life stages of the silkworm? a) Pupa > Caterpillar > Adult > Egg b) Egg > Larva > Pupa > Adult c) Adult > Egg > Pupa > Larva d) Egg > Pupa > Adult > Larva	K1	CO5

Cont...

**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Question No.	Question	K Level	CO
11.a.	Write the important features of coleopters.	K3	CO1
	(OR)		
11.b.	What are the general characteristics of class insecta?		
12.a.	Classify the sugarcane pests.	K3	CO2
	(OR)		
12.b.	Compare the life history of orselis oryzal and earias sp.		
13.a.	Elaborate the classification of pesticides.	K3	CO3
	(OR)		
13.b.	Explain the methods of pest management.		
14.a.	Explain the morphology of mulberry plnt.	K3	CO4
	(OR)		
14.b.	Interpret the disease of mulberry plant.		
15.a.	Discuss about silkworm species.	K3	CO5
	(OR)		
15.b.	Explain the morphology of Bombyx mori.		

**SECTION -C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Question No.	Question	K Level	CO
16	Discuss the classification of Insecta up to the level of orders.	K4	CO1
17	Discuss the Morphology, life history and control measures of any one cotton pests.	K4	CO2
18	Explain the biological control pests.	K4	CO3
19	Explain about the propagation of mulberry plant.	K4	CO4
20	Discuss about any two silkworm disease.	K4	CO5

Z-Z-Z

END