

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? | K3 | CO2 |
| 12.a. | Classify the sugarcane pests. | | |
| | (OR) | K3 | CO3 |
| 12.b. | Compare the life history of orselis oryzal and earias sp. | | |
| 13.a. | Elaborate the classification of pesticides. | K3 | CO4 |
| | (OR) | | |
| 13.b. | Explain the methods of pest management. | K3 | CO5 |
| 14.a. | Explain the morphology of mulberry plnt. | | |
| | (OR) | K3 | CO5 |
| 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 |