

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2022  
(Second Semester)

Branch – BOTANY

ZOOLOGY - II

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 Which of the following are the main characteristic features of an Insect?  
(i) Pair of antennae (ii) Three pairs of legs  
(iii) Pair of wings (iv) All of the above
- 2 Insects are classified into the phylum \_\_\_\_\_.  
(i) Nematoda (ii) Mollusca  
(iii) Arthropoda (iv) Platyhelminthes
- 3 Which of the following is used to prevent germination of fungal spores?  
(i) Fungicides (ii) Insecticides  
(iii) Nematicides (iv) Acaricides
- 4 Silk contains a protein known as  
(i) casein (ii) p53  
(iii) caspase (iv) fibroin
- 5 What is the life span of an adult '*Bombyx mori*' ?  
(i) 2 days (ii) 3-4 days  
(iii) 6 days (iv) 8 days

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a. List out the general characters of Diptera and give examples.  
OR  
b. Explain the general characters of order Hemiptera.
- 7 a. List out the control measures of *Pectinophora gossypiella*.  
OR  
b. Enumerate the disease caused by *Chilo sacchariphagus*.
- 8 a. Comment on herbicides.  
OR  
b. Give a brief account on insecticides.

Cont...

- 9 a. Explain the morphology of mulberry plant.  
OR  
b. Give an account on propagation of mulberry.
- 10 a. Comment on Grasserie disease of silkworm.  
OR  
b. List out the silkworm species.

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a. Explain the general characteristics of insects.  
OR  
b. Classify the division Apterygota with salient features up to level of orders with suitable examples.
- 12 a. Discuss in detail about the life cycle and disease caused by *Earias* sp.  
OR  
b. Describe the life history, destruction caused and control measures of *Tryporyza incertulas*.
- 13 a. Elucidate the various pesticide application methods.  
OR  
b. Discuss the principles, methods and superiority of IPM.
- 14 a. Summarise the varieties of mulberry with suitable sketch.  
OR  
b. Explain the causative agent, symptoms and management of leaf webber disease of mulberry.
- 15 a. Discuss various appliances used in silkworm rearing.  
OR  
b. Elucidate the life cycle of *Bombyx mori* with neat labeled sketch.

Z-Z-Z

END