

M.Sc.(Zoology) (C.B.C.S. Pattern) Sem-III  
**PSCZOOT12-2-Foundation-II-Paper-XII : Basic Entomology**

P. Pages : 1

Time : Three Hours



**GUG/S/19/11328**

Max. Marks : 80

- 
- Notes :
1. All questions are compulsory.
  2. All question carry equal marks.
  3. Illustrate your answer with suitable diagram.

1. Give detail account on Insect metamorphosis. 16

**OR**

Write notes on:

- a) Anatomical discription of insect head.
- b) Explain basic structure and functions of insect antenna.

2. Explain in detail sound production in insect. 16

**OR**

Write note on.

- a) Copulation and egg laying in butterflies.
- b) Insect light production.

3. Write in detail about Honey bee dance. 16

**OR**

Write notes on

- a) Insect pollinators.
- b) Pheromones.

4. Write an essay on Dragonflies of central India. 16

**OR**

Write notes on

- a) Butterflies of central India.
- b) Wasps of Central India.

5. Attempt the following. 16

- a) Systematic position of insect.
- b) Copulation in dragon flies.
- c) Predatory insects.
- d) Beetles of central India.

\*\*\*\*\*