

M.Sc.(Zoology) CBCS Pattern Semester-III  
**PSCZOOT12-2 - Core Paper-XII (Foundation Course-I) : Basic Entomology**

P. Pages : 1

Time : Three Hours



**GUG/W/23/11328**

Max. Marks : 80

- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Draw labeled diagram wherever necessary.

1. Explain the General characters and classification of Insect. **16**

**OR**

Write short notes on:

- a) Insect Head
- b) Insect Antennae

2. Describe the Reproduction behavior of butterflies. **16**

**OR**

Write short notes on:

- a) Insect sound production.
- b) Insect light production

3. Describe in detail on chemical communication in insects. **16**

**OR**

Write short notes on:

- a) Honey Bee Dance
- b) Honey bee as Insect pollinators

4. Explain the five species of Order-Lepidoptera (Butterflies) of central India. **16**

**OR**

Write short notes on-

- a) Three species of Order-Odonata (Dragonflies) of central India.
- b) Three species of Order-Coleoptera (Beetles) of central India.

5. Attempt the following. **16**

- a) Incomplete metamorphosis.
- b) Reproduction behaviour of dragonflies.
- c) Predatory and edible insects.
- d) Three species of Order-Hymenoptera (Bees, Wasps and Ants) of Central India.

\*\*\*\*\*