

M.Sc.(Zoology) (CBCS Pattern) Semester - IV
PSCZOOT14.1 - Paper-XIV - Special Group : Entomology-III
(Sense Organs, Social Life and Agriculture Pests)

P. Pages : 1

Time : Three Hours



GUG/S/23/11429

Max. Marks : 80

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

1. Give a detailed account of sound producing organs. **16**

OR

- a) Light producing organs structure.
- b) Write about compound eyes.

2. Write a detailed account of mechanism of colour change. **16**

OR

- a) Explain about Mechanoreceptors.
- b) Write about tympanal organs.

3. Explain nest building & social behaviour in ants. **16**

OR

- a) Write about social behaviour in Isoptera.
- b) Write a note on locust migration.

4. Describe the pest of sugarcane in detail. **16**

OR

- a) Write about pest of citrus damage & control.
- b) Write a note on pest of cabbage & their control.

5. Write short notes on the following. **16**

- a) Ocelli.
- b) Innate immunity
- c) Types of parasitic Hymenoptera.
- d) Stored Grain pests classification.
