

M.Sc.(Zoology) CBCS Pattern Semester-III
PSCZOOT11-1 - Paper-XI Special Group : Entomology Paper-II
(Classification of Industrial Insect)

P. Pages : 1

Time : Three Hours



GUG/W/23/11317

Max. Marks : 80

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- 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 Thysanura and Collembola. **16**

OR

Write short notes on

- a) General characters of Siphonaptera
- b) General characters of class Insecta.

2. Describe the general characters and classification of Lepidoptera. **16**

OR

Write short notes on

- a) General characters of Orthoptera
- b) Classification of Hemiptera

3. Describe in detail Silkworm rearing, Cocoon harvesting and Seed production. **16**

OR

Write short notes on

- a) Viral disease in silkworm
- b) Life cycle of Bombyx mori

4. Explain the life cycle host plant rearing and silk production of Tasar sericulture. **16**

OR

Write short notes on

- a) Life cycle of Honey bee and colony formation.
- b) Bee rearing management and disease of Honey bee

5. Attempt the following **16**

- a) General character of Siphunculata
- b) General characters of Coleoptera
- c) Lac Cultivation
- d) Movable frame hive
