

M.Sc. (Zoology) (CBCS Pattern) Third Semester
**PSCZOOT11-1 - Special Group-Entomology Paper-II - Classification and
Industrial Insect Paper-XI**

P. Pages : 1

Time : Three Hours



GUG/W/18/11317

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answers with well labelled diagram.

1. Give details account on general characters and classification of Siphonaptera. **16**

OR

Write notes on.

- a) General characters of Thysanura.
- b) Classification of Siphunculata.

2. Describe in detail distinguishing characters and classification of Hemiptera. **16**

OR

Write notes on.

- a) Modern scheme of lepidoptera.
- b) General characters of coleoptera.

3. Give an account on lifecycle, silk glands and proteins of Bombyx mori. **16**

OR

- a) Diseases in Silkworm.
- b) Economical importance of Lac-culture.

4. Describe in detail account on life cycle of Tasar Silk moth and add a note on cocoon formation and silk production. **16**

OR

- a) Types of Honey bee.
- b) Bee keeping.

5. Attempt the following. **16**

- a) General characters of collembola.
- b) Modern classification of Orthopoda.
- c) Cocoon Harvesting and seed production.
- d) Eri-Silkmoth.
