

Roll No. ....

**DD-788**

**M. Sc. (Fourth Semester)**

**EXAMINATION, 2020**

ZOOLOGY

**(Group—II)**

Paper Third

**(Applied Entomology)**

*Time : Three Hours*

*Maximum Marks : 80*

**Note :** Attempt all the *five* questions. All questions carry equal marks.

1. Describe the following in brief :
  - (a) Classification of apterygota insects
  - (b) Ecological factors for population of insects

**Unit—I**

2. Classify insect order Coleoptera with suitable example.

*Or*

Classify insect order Orthoptera with suitable example.

**P. T. O.**

**Unit—II**

3. Describe life cycle of any *two* sugarcane pests and mention measures for control.

*Or*

Describe any *two* pests for cotton with their life cycle and methods for control.

**Unit—III**

4. Explain in detail about insects of veterinary importance and mention control measures for pathogenic pests.

*Or*

Explain that how some insects are helpful in forensic investigation.

**Unit—IV**

5. Explain about silk production by using mulberry plant.

*Or*

What are the types of honey producing bees ? Describe life cycle of honey bee and scientific method for production of honey.