

Total Pages : 3

Roll. No. : .....

**Examination Session June-2022**

**(Fourth Semester)**

**MZO-608 A**

**M.Sc. ZOOLOGY (MSZO)**

**[General Economic Entomology ]**

**Time : 2 Hours ]**

**[ Max. Marks : 40**

**Note :** This paper is of Forty (40) marks divided into two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

**SECTION—A**

**(Long-Answer-Type Questions)**

**Note :** Section 'A' contains five (05) long-answer-type questions of Ten (10) marks each. Learners are required to answer any two (02) questions only. 2×10=20

1. Write the different types of mouthparts of insects.
2. Define and give one example each of Polyphagus, Monophagus and oligophagus insects.
3. Mention the general characteristic features of Hemiptera.
4. Write about sclerites and sutures of insect head.
5. Draw a neat labelled diagram of biting and chewing type of mouth parts.
2. List the different types of mouth parts in insects.
3. Comment on light traps.
4. Give an account of cotton pests of India.
5. Discuss briefly the stored pests and their prevention methods.
6. Draw labelled diagram of mouthparts of butterfly.
7. What is royal jelly ?
8. Give the outline classification of insects.

### SECTION—B

\*\*\*\*\*

#### (Short-Answer-Type Questions)

**Note :** Section 'B' contains eight (08) short-answer-type questions of Five (05) marks each. Learners are required to answer any four (04) questions only.  $4 \times 5 = 20$

1. Differentiate between apterygota and pterygota.