

**623**

**Total Pages : 3**

**Roll No. -----**

**ZO-554 (A)**

**Applied Entomology**

**M.Sc. Zoology (MSCZO-19)**

**2<sup>nd</sup> Year, Examination 2021 (Winter)**

**Time: 2 Hours**

**Max. Marks: 80**

Note : This paper is of Eighty (80) marks divided into two (02) Sections 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 Twenty (20) marks each. Learners are required to answer any two (02) questions only.

[2 x 20 = 40]

**P.T.O.**

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- Q.1. Describe the external morphology of generalized insect.
- Q.2. Explain the general character and classification of class Insecta with example.
- Q.3. Explain the different type of insect mouth parts.
- Q.4. Describe the pests of rice with diagram and example.
- Q.5. Explain the respiration in aquatic insects.

## **Section – B**

### **(Short-answer-type questions)**

Note: Section 'B' contains Eight (08) short-answer-type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only.

[4 x 10 = 40]

- Q.1. Explain the social behavior of honeybees.
- Q.2. Write an essay on the beneficial insects.
- Q.3. Explain the life cycle of silkworm.
- Q.4. What is a suture?
- Q.5. Explain the Biting and Chewing type mouth parts of insects.
- Q.6. Explain the integument of insects with diagram.
- Q.7. Describe the reproductive system of insects with diagram.
- Q.8. Explain the pests of sugarcane with diagram and example.
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