

2024
M.Sc.
Fourth Semester
DISCIPLINE SPECIFIC ELECTIVE – 03
ZOOLOGY
Course Code: MZOD 4.11(D)
(Entomology - II)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Elaborate with example how genetic and environmental polymorphism play roles in insect life. 7+7=14
2. Termites are considered as eusocial insect. Explain their organization and add a note on how new colony and caste development take place. 7+7=14

UNIT-II

3. Explain the impact of rearing honey bee on our environment. Mention the characteristic features that distinguishes the different types of honey bees. 7+7=14
4. Discuss the process of lac cultivation, composition, and its uses. 14

UNIT-III

5. Explain the IPM concept in pest control. Elaborate the various necessary steps to be followed. 6+8=14
6. Write notes on the following: 7×2=14
 - (a) Biological control of insect pest
 - (b) Uses of sex attractant

UNIT-IV

7. Describe the life cycle, damage and control of spiny boll worm as insect pest. 14
8. With suitable examples explain the effect of relationship between plant diseases and insect. 14

UNIT-V

9. Give the differences between the effects of venoms and allergens. Explain with examples how insects bring about the effects. 14
 10. Write the life cycle, damage and control of sand flies. 14
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