2023

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. | Give an account on insect life history pattern. | 14 |
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| 2. | (a) Explain the mechanism of caste determination in social insects.(b) Write a note on voltinism. | 9 5 |
| | UNIT-II | |
| 3. | (a) Describe the life cycle of silk moth. | 9 |

| | (b) Write the composition and uses of lac. | 5 |
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| 4. | (a) Discuss the types of honey bees. | 10 |
| | (b) Write a note on insects as pollinator. | 4 |

UNIT-III

| 5. | Explain the various type of hormonal control of insect pests. | 14 |
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| 6. | Discuss in detail the concept of insect pest. | 14 |

UNIT-IV

| 7. | State how pest injury and quality of produce are related. | 14 |
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| 8. | Write notes on life cycle, damage, and control of Sitophilus oryzae. | 14 |

UNIT-V

| 9. | Elucidate on the life cycle, damage, and control of <i>Climax sp</i> . | 14 |
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| 10. | Write the life cycle, damage, and control of Musca domestica. | 14 |