

M.Sc. ZOOLOGY  
FOURTH SEMESTER  
ENTOMOLOGY-IV  
MSZ-402 D

**SET  
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

( Objective )

Time: 15 mins.

Marks: 10

Choose the correct answer from the following:

1 × 10 = 10

1. The process of removing the threads from the killed cocoon is called as:
  - a. Stifling
  - b. Spinning
  - c. Reeling
  - d. Pruning
2. The scientific name of mulberry silkworm is:
  - a. *Antherea paphia*
  - b. *Antherea assama*
  - c. *Altacus ricinii*
  - d. None of the above
3. Maggot disease is related to:
  - a. Apiculture
  - b. Lac culture
  - c. Sericulture
  - d. All of the above
4. Silkworms belonging to subtropical regions like India lay eggs of:
  - a. Diapause type
  - b. Non-diapause type
  - c. Both
  - d. None of the above
5. The commercial lac is produced in large quantities by:
  - a. Female lac insect
  - b. Male lac insect
  - c. Both male and female insect
  - d. Host plant
6. The best lac is the:
  - a. Button lac
  - b. Kusumi lac
  - c. Shell lac
  - d. Kirri lac
7. The first procedure in the lac cultivation is the:
  - a. Inoculation
  - b. Swarming
  - c. Harvesting
  - d. Pruning
8. The sting and the wax glands are present in:
  - a. Worker bee
  - b. Drone bee
  - c. Both drone and worker bee
  - d. Queen bee
9. The process of leaving off the colony by the queen termed as:
  - a. Supersedure
  - b. Absconding
  - c. Swarming
  - d. Nuptial flight

10. A mechanized device used by beekeepers to extract raw honey from bee combs:
- a. Bee smoker
  - b. Queen excluder
  - c. Airtight bucket
  - d. None of the above

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**( Descriptive )**

Time : 1 hr. 15 mins.

Marks : 25

[ Answer question no.1 & any two (2) from the rest ]

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| 1. Write a short note on the different species of silkworms.                                       | 5  |
| 2. With the help of a suitable diagram write a note on the three social organization of Honey bee. | 10 |
| 3. Mention in brief about the tools and techniques of modern methods of bee keeping.               | 10 |
| 4. Explain the various processes that take place in the cultivation of lac.                        | 10 |
| 5. Explain the various methods involve in the post-cocoon processing.                              | 10 |

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