

2023

3rd Semester Examination

ZOOLOGY (Honours)

Paper : SEC 1-T

[CBCS]

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

[Apiculture]

Group - A

Answer any *five* questions from the following :

2×5=10

1. Mention the composition of honey. 2
2. What is pollen basket? 2
3. State the significance of trophallaxis found in honey bee. 2
4. What is waggle dance behaviour? 2

P.T.O.

5. Why are honey bees considered as eusocial insects? 2
6. What do you mean by monofloral honey? 2
7. State two importances of honey on human health. 2
8. Name two ectoparasitic mites that are harmful for honey bees. 2

Group - B

Answer any *four* questions from the following :

5×4=20

9. Describe the indigenous method of extraction of honey. 5
10. Discuss about different bee diseases mentioning their causative agents. 5
11. Write a short note on "Selection of bee species for apiculture". 5
12. Write down the scientific name of two honey bees from India. Give a brief account on the recent efforts on bee keeping in India. 2+3
13. What is bee pasturage? Enlist any two bee flora of India. Mention the qualities of a good bee flora. 1+2+2

(3)

14. Describe the products of bee keeping industry mentioning their utility in human health. 3+2

Group - C

Answer any *one* question from the following :

10×1=10

15. Describe a Langstroth beehive with proper diagram. What are the advantages of modern method of bee-keeping? 7+3
16. Enumerate the social organization of honey bees. What is the role of pheromones in regulating social organization of honey bee? 7+3
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