

CODE: **196742**  
NOVEMBER 2020

TIME: 2 Hrs  
MAX. MARKS: 50

**PART A**

(10 x 2=20)

Answer any **TEN** questions.

1. What is the importance of migratory beekeeping?
2. List the symptoms of laying worker colonies
3. Write the symptoms of bee parasitic mite attack
4. Castes of honey bees in *Apis mellifera*
5. Write the scope for diversification in apiculture
6. What is the dearth period sugar feeding to honey bee colonies
7. Prevention of robbing in apiary
8. Beewax
9. Bee foraging
10. What is the composition of honey?
11. Newton bee hive
12. Drones and worker bees

**PART B**

(2 x 5=10)

Answer any **TWO** questions.

13. Give a note on symptoms and management of European foulbrood disease.
14. How can you protect honey bee colonies from pesticidal poisoning?
15. Brief note on managed crop pollination using *Apis mellifera*.
16. Comment on digestive system of worker bee.
17. What are the causes of swarming in honey bee colonies and how will you manage this problem?
18. Write about different types of beehives.
19. Comment on present status of apiculture in India
20. Give note on economics in apiculture and management.

**PART C**

(2 x 10=20)

Answer any **TWO** questions.

21. Describe mass queen bee rearing using Doolittle method.
22. Explain the management of *Apis mellifera* colony for maximizing honey production.
23. Elaborate nature of damage and management of wax moths in honey bee colonies
24. Write a detail note on life history of honey bees
25. Explain the uses of honey and beeswax in Indian medicine.