K26FY0772 Pages: 2 Reg No:.....
Name:.....

Fourth Semester FYUGP Degree (Reg) Examination April 2026

KU4SECZOO101 - APICULTURE

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. List the main parts of a Langstroth hive.
2. Write any two differences between Langstroth hive and Newton hive.
3. What is the common method used to control mites in bee colonies?
4. What is the main food source for wax moth larvae inside the hive?
5. Why should honey not be stored in metal containers?
6. What is the main active component of bee venom?
7. Which species of honey bee is known for producing largest amount of honey?
8. Which caste of bee performs the task of hive maintenance?

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Section B

Answer any 4 questions. Each carry 6 marks.

9. Analyze the importance of honey in human health.
10. Which are the components that decides the medicinal value of honey?
11. Discuss the medicinal uses of bee venom.
12. Caste system in honey bee is most important for the survival of colony, why?
13. If a honey bee colony is facing a shortage of natural nectar during a dry season, how would you design an effective artificial feeding plan to sustain the colony?
14. Which bee food—honey or pollen jelly—is more essential for colony growth? Comment on key nutritional roles of each. Justify your answer with reasons.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Explain Queen rearing methods, principle and significance. (14 marks).

16. a) Compare and analyze the damage caused by greater wax moth and lesser wax moth in bee colonies. (7 marks);
    b) Explain the relationship between poor hive management practices and increased infestation by bee enemies. (7 marks)

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