

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Honey bee is a social insect. Justify.
Or
(b) Give an account of behaviour of Honey bee.
17. (a) Explain the appliances used in Apiary.
Or
(b) How will you set up an Apiary? Discuss.
18. (a) Explain the different types of bee hives and their identification.
Or
(b) Describe the Newton's Bee hive? Write the advantages.
19. (a) Give an account on bacterial and fungal diseases of honey bee.
Or
(b) Give an account on enemies of honey bees.
20. (a) Write the medicinal value of Honey.
Or
(b) Bees are friends of plants. Describe.

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SEZO 5 D**

**B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2019.**

Fifth Semester

Zoology — Main

Major Elective II — APICULTURE

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The fertile female of bee hive is
(a) Queen
(b) Worker
(c) Drone
(d) None



2. Which is called Rock Bee?
 (a) Apis Indica (b) Apis Florea
 (c) Apis Dorsata (d) Apis Mellifera
3. The optimum temperature for the storage of honey is
 (a) 100°F (b) 70°F
 (c) 50°F (d) 40°F
4. Honey Bee belongs to
 (a) Diptara (b) Hymenoptera
 (c) Odonata (d) Orthoptera
5. The propolis is prepared from the
 (a) Pollen (b) Wax
 (c) Honey (d) Royal Jelly
6. The preservative substance present in honey is
 (a) lactic acid (b) citric acid
 (c) formic acid (d) hydrochloric acid
7. Sac Brood disease is caused by
 (a) Bacteria (b) Virus
 (c) Protozoa (d) Fungus
8. The good source of Honey for Honey Bee is
 (a) Garden flower (b) Tomarind tree
 (c) Neem tree (d) Moringa tree
9. Beetler consume
 (a) Wax (b) Honey
 (c) Wax and Honey (d) Bees

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10. Super sedure character is seen in
 (a) drone (b) worker
 (c) queen (d) all of these

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Briefly describe polymorphism of Honey bee.
 Or
 (b) Write the classification and types of Honey bee.
12. (a) Write short notes on Bee dance.
 Or
 (b) Describe the mouth parts of Honey bee.
13. (a) Give an account of storage of Honey.
 Or
 (b) Describe the structure of Artificial hive.
14. (a) Describe the structure of Honey comb.
 Or
 (b) Explain the medicinal value of Bee venom.
15. (a) Give an account of swarming.
 Or
 (b) Describe the predators of Honey bee.

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