

(6 pages)

Reg. No. :

Code No. : 20592 E Sub. Code : CEZO 64

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2024

Sixth Semester

Zoology

Core Elective – II — APICULTURE

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Select the name of *Apis dorsata*
(a) dammer bee (b) rock bee
(c) Indian bee (d) little bee
2. Which one of the following is present on the leg of Worker bees?
(a) nails (b) stings
(c) pollen baskets (d) probosis
3. Select a portion of honeycomb which built by the bees in other places than the intended place in the frames
(a) brood cell (b) burr comb
(c) nurse cell (d) queen cell
4. Select the number of drones present in a bee colony
(a) 200 (b) 20,000
(c) 30,000 (d) 40,000
5. Choose the enzyme which is present in the honey
(a) Insulin (b) Invertase
(c) Pepsin (d) Renin
6. Select the specific gravity of the honey
(a) 1.41 (b) 1.71
(c) 1.82 (d) 2
7. Choose the causative agent of American foulbrood is a disease
(a) virus (b) bacteria
(c) fungi (d) insects

Page 2 Code No. : 20592 E



8. Select the worst enemies of the honey bees
- (a) man (b) birds
- (c) snake (d) rat
9. When the new young and vigorous queen takes the position of the old queen is called
- (a) absconding (b) supersedure
- (c) marriage flight (d) none of the above
10. Choose the name when the queen leaves the colony with some drones and workers
- (a) Nuptial flight (b) Wagglng
- (c) Swarming (d) None of the above

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Explain the secretion and uses of propolis.

Or

- (b) Write short note on royal jelly.

Page 3 Code No. : 20592 E

12. (a) Explain the honey extractor.

Or

- (b) Write short note Primitive method of Bee keeping.

13. (a) Write short note on Bee venom.

Or

- (b) Explain the physical properties of honey.

14. (a) Write short note on lesser wax moth.

Or

- (b) Explain Causative agent and symptoms of fungal disease.

15. (a) Explain about the Uniting stocks.

Or

- (b) Write a note on wagglng dance of bees.

Page 4 Code No. : 20592 E

[P.T.O.]



PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Discuss the functions of worker bees.

Or

- (b) Explain the following :

(i) Indian bee's

(ii) Little bees.

17. (a) Discuss the architecture of Bee comb.

Or

- (b) Discuss the different parts of Langstroth Ten Frame hive.

18. (a) Explain the medicinal values of honey.

Or

- (b) Elaborate the secretion of Bee wax and its uses.

Page 5 Code No. : 20592 E

19. (a) Discuss the causatives, symptoms and control measures of American foul brood disease.

Or

- (b) Enumerate the protozoan disease of honey bees.

20. (a) Elaborate the inter relationship of plants and honey bees.

Or

- (b) Discuss the behavior of bees.

Page 6 Code No. : 20592 E

