(Pages : 4)

L – 1644

Reg. No. : .....

Name : .....

Sixth Semester B.Sc. Degree Examination, March 2021

First Degree Programme under CBCSS

Zoology

Elective Course

ZO 1661.1 – ECONOMIC ZOOLOGY – VERMICULTURE AND APICULTURE

(2018 Admission Regular)

Time : 3 Hours

Max. Marks : 80

SECTION – A

I. Answer the following questions (in one or two sentences. 1 mark each)

1. Bee pasturage.
2. *Apis indica*.
3. Vermiwash.
4. Smoker.
5. Bee wax.
6. Apiary.
7. Capping knife
8. Nectar.
9. Pyorrhoea.
10. Wagging dance.

(10 × 1 = 10 Marks)

P.T.O.

SECTION – B

II. Answer **any eight** of the following (not to exceed one paragraph. Each carries **2** marks)

11. Name the scientific names of indigenous earthworms.

12. Describe the cast system in honeybees.

13. Write a note on Dearth period.

14. Write down the uses of bee wax.

15. Name the enemies of honeybees.

16. What is uncapping knife?

17. Define pH content of vermibed.

18. What is cocoon?

19. Define decomposition.

20. Write a note on bee venom.

21. What is queen excluder?

22. Name the scientific names of Honeybees.

23. Queen cage.

24. Clitellum.

25. Bee bread.

26. Vermi-remediation.

(8 × 2 = 16 Marks)

SECTION – C

III. Answer **any six** of the following (not to exceed 120 words. Each carries **4** marks)

27. Explain the construction of bee hive.
28. Explain the cast system in Honeybee colony.
29. Write the biological parameters of vermicast.
30. Describe the regeneration in earthworm.
31. Explain harvesting of vermicompost.
32. Describe the organic matter in soils.
33. Write a note on the food of honeybees.
34. Describe the impact of vermiculture.
35. Write down the advantages of vermicompost.
36. With sketch, describe the morphology of earthworm.
37. Describe the adaptations of honeybees.
38. Draw a neat sketch of mouth parts of honeybees.

(6 × 4 = 24 Marks)

SECTION – D

IV. Answer **any two** of the following (Each carries **15** marks)

39. Write an essay on the various diseases of Honey bee colony.
40. Write an essay on the construction and setting up of Vermicompost.
41. Explain the impacts of vermibed.

42. Write an essay on the site selection, management and maintenance of Apiary.

43. Write an essay on the social life and organisations of honeybees.

44. Write an essay on the nutrient profile of vermicompost.

(2 × 15 = 30 Marks)
