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Reg. No. : .....

Name : .....

Sixth Semester B.Sc. Degree Examination, April 2018
First Degree Programme Under CBCSS
Elective Course
ZO 1661.1 : ECONOMIC ZOOLOGY – VERMICULTURE AND APICULTURE
(2015 Admission)

Time : 3 Hours Max. Marks : 80

All Saints' College Trivandrum

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

1) Apiary.
2) Vermitechnology.
3) Nectar.
4) Vermiwash.
5) Guard bees.
6) Optimum temperature for vermicomposting.
7) Synthetic honey comb.
8) Active phase of vermicomposting.
9) Queen substance.
10) Windrows vermicomposting. **(10×1=10 Marks)**

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

11) Earthworm cocoon.
12) Medicinal value of earthworm.
13) Epigeic worms.
14) Bee pasturage.
15) Dammar bee.

P.T.O.

16) Rotating Trommel device.

17) Round dance of honey bee.

18) Swarming.

19) Brood chamber.

20) Vermiremediation.

21) Honey flow period.

22) Propolis. **(8×2=16 Marks)**

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

23) What are the major environmental factors influencing vermicomposting ?

24) Write notes on the fungal diseases of honey bee.

25) Illustrate the preparation of vermibed.

26) Comment on any two species of honey bees used for apiculture.

27) Briefly explain the advantages of vermicompost.

28) Comment on the importance of apiculture.

29) Discuss the nutrient profile of honey.

30) Explain the adaptations of the legs of a worker honey bee.

31) What are the major pathogens in vermicomposting ? **(6×4=24 Marks)**

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

32) Write an essay on different species of earthworms suitable for vermicomposting ?

33) Elaborate the social organization of honey bee.

34) Comment on different bee keeping equipments.

35) Vermicomposting is an ideal approach of solid waste management. Justify. **(2×15=30 Marks)**

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