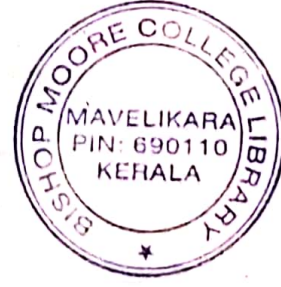


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T – 2563

Reg. No. :

Name :

Fourth Semester B.Sc. Degree Examination, July 2024

First Degree Programme under CBCSS

Zoology

Complementary Course for Botany, Home Science and Biochemistry

ZO 1431.1 : APPLIED ZOOLOGY

(2015 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

- I. Answer the following questions (In one or two sentences. 1 mark each)
1. Name any two species of honey bees.
 2. Write notes on *Ectoparasites*.
 3. Name two common marine capture fish species.
 4. Name any two diseases of poultry.
 5. Name the common species used for shrimp culture in Kerala.
 6. Name two different varieties of silkworm.
 7. What is the difference between a layer and a broiler?
 8. What is karyotype?
 9. Name two multifactorial disorders.
 10. Name any two diseases of dairy animals.

(10 × 1 = 10 Marks)

P.T.O.

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

11. Write about any two single gene disorders.
12. What are the different types of eggs?
13. Write notes on Indian Major Carps.
14. What are the different patterns of cleavage?
15. What are 'test tube babies'?
16. Draw any four symbols used in pedigree construction.
17. What are morphogenetic movements?
18. What is gene therapy?
19. List down any four equipment used in bee keeping.
20. What is composite culture?
21. Explain the life history of silk Worm.
22. What is genetic counselling.

(8 × 2 = 16 Marks)

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

23. Describe the diseases and pests of silkworm.
24. Comment on different prenatal diagnostic techniques.
25. Explain pearl culture.
26. Write notes on social organisation of honeybees.
27. Explain the culture of any two freshwater ornamental fishes.
28. Write notes on processing of cocoon.
29. Write notes on fishing craft and gear.
30. Explain human genome project.
31. Write notes on reeling and marketing of silk.

(6 × 4 = 24 Marks)

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

32. Write an essay on construction and maintenance of aquarium.
33. Describe autosomal syndromes and sex chromosome syndromes.
34. Explain different types of dairy farming and its advantages and limitation.
35. Explain the different poultry breeds and their rearing.

(2 × 15 = 30 Marks)
