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Reg. No. :

Name :

Fourth Semester B.Sc. Degree Examination, July 2023

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

Draw diagrams wherever necessary

- I. Answer the following questions (In one or two sentences. 1 mark each).
1. What are stingless bees?
 2. State the scientific name of sardine?
 3. What is apitherapy?
 4. Name an indigenous cattle breed in Kerala.
 5. What is aerator?
 6. What is chandrika?
 7. What is genetic counselling?
 8. Comment on amniocentesis.

P.T.O.

9. What is CVS?
10. What is epiboly?

(10 × 1 = 10 Marks)

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

11. What is carp culture?
12. Name any two major capture fishes in Kerala.
13. What are the major pests of silkworm?
14. Comment on *Apis mellifera*.
15. What is quail farming?
16. Comment on broilers.
17. What is meant by karyotypic study?
18. Briefly explain Turners syndrome.
19. Comment on superficial cleavage.
20. Briefly explain germ layers.
21. What is chorionic villus sampling?
22. Give a small account on Pearl culture.

(8 × 2 = 16 Marks)

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

23. What are the commonly used aquarium plants?
24. Comment on rearing of silk worms.

25. What are the major duties of worker bees?
26. Give an account on the processing of cocoon.
27. What are the major honey bee species?
28. Comment on any four American poultry breeds in India.
29. Explain trisomy 21 with example.
30. Comment on the different types of blastula.
31. Give a brief account on test tube babies.

(6 × 4 = 24 Marks)

IV. Answer any **two** of the following questions. Each question carries **15** marks.

32. Give an account on the common cultivable fishes of Kerala.
33. Write an essay on autosomal and sex chromosomal disorders.
34. Describe the morphology and life history of silkworm moth.
35. Give an account on prenatal diagnostic techniques.

(2 × 15 = 30 Marks)

