

Reg. No. : .....

Name : .....

**Fourth Semester B.Sc. Degree Examination, July 2019**

**First Degree Programme under CBCSS**

**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. One mark each)

1. Tilapia
2. Egg scatterers
3. Little bees
4. Vechur cow
5. Bee pasturage
6. Blastocoel
7. Autosomal syndromes
8. Emboly
9. Periblastula
10. Amniocentesis

**(10 × 1 = 10 Marks)**



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

11. Shellfish culture
12. Spawning
13. Cocoon
14. Dairy barns
15. Quails
16. Turners syndrome
17. Phenyl ketonuria
18. Macrolecithal eggs
19. Acrosome reaction
20. Blastomers
21. Holoblastic cleavage
22. Ultra sound scanning

(8 × 2 = 16 Marks)

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

23. Explain the various steps in pearl culture.
24. Which are the major economically important honey bee species used in Kerala?
25. Briefly describe the major pests of silkworm.



26. Which are the common diseases of poultry?
27. Give an account of silk worm rearing technique.
28. Comment on single gene disorders.
29. What are organizers? Comment on its functions.
30. Explain the setting up of a freshwater aquarium unit.
31. Comment on embryonic stem cell research.

(6 × 4 = 24 Marks)

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

32. Give an account on the traditional method of aquaculture with special reference to Kerala.
33. Write an essay on the morphology and life history of silkworm moth.
34. Explain the history and practices of cloning experiments in animals and man.
35. Give an account on dairy farming with special emphasis on types, systems and management.

(2 × 15 = 30 Marks)