

(Pages : 3)

N – 7799

Reg. No. : .....

Name : .....

Fourth Semester B.Sc. Degree Examination, August 2022

First Degree Programme Under CBCSS

Zoology

Complementary Course for Botany, Home Science and Biochemistry

ZO 1431.1 : APPLIED ZOOLOGY

(2013 & 2014 Admission)

Time : 3 Hours

Max. Marks : 80

I. Answer the following questions. Each carries 1 mark.

1. Bee pasturage
2. Blastulation
3. Aminocentesis
4. Spawning
5. Layers
6. Starter feed
7. Cocoon
8. Karyotype
9. Epiboly
10. Nacrein

(10 × 1 = 10 Marks)

P.T.O.

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

11. Composite fish culture.
12. Name Indian major carps.
13. Write down the scientific names of honeybees.
14. Describe chronic villus sampling.
15. Write down the scientific names of silk worms.
16. Explain gene cloning.
17. Explain Sickle cell anaemia.
18. Name the different species of mulberry.
19. Explain human gene therapy.
20. Describe about Test tube babies.
21. Explain about cleft lip.
22. Name the scientific names of 4 freshwater fishes.

**(8 × 2 = 16 Marks)**

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

23. Write down the life history of Silk moth.
24. Give the different species in American class with characters.
25. Explain the characters of Down's syndrome.
26. Give the uses of bee wax.
27. Describe the classification of egg on the basis of yolk.

28. Explain the different breeds of Cattle.
29. Explain the different stages in Pearl culture.
30. Describe the process of control of algal growth.
31. Explain the process of stem cell research.

(6 × 4 = 24 Marks)

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

32. Write an essay on the diseases of Poultry.
33. Write an essay on the construction and maintenance of Aquarium.
34. Describe the cloning experiments in animals.
35. Write an essay on the social organization of honey bees.

(2 × 15 = 30 Marks)