

Reg. No. :

Name :

Fourth Semester B.Sc. Degree Examination, May 2021

First Degree Programme under CBCSS

**Complementary Course for Botany, Home Science and
Biochemistry**

ZO 1431.1 : – APPLIED ZOOLOGY

(2019 Admission regular)

Time : 3 Hours

Max. Marks : 80

Draw diagrams wherever necessary.

I. Answer **all** questions in **one** or **two** sentences. (Each question carries **1** mark)

1. Bee dance.
2. What is pollen comb?
3. Name the scientific name of Eri silkworm. Name its host plant.
4. What are the castes of a honey bee colony? Mention the main function of each?
5. What is queen excluder?
6. Name the doctors behind the first test tube baby of the world?
7. Define morula.
8. What is chordamesoderm?
9. Human gene therapy
10. What is meant by pluripotency?

(10 × 1 = 10 Marks)

P.T.O.

II. Answer any **eight** of the following. **Each** question carries **2** marks.

11. List the advantages and disadvantages of feeding silkworms on artificial feed.
12. Classify *B.mori* based on generations per year.
13. What is chandraki?
14. Induced breeding?
15. Comment on various practices of fish culture.
16. Fishing gears?
17. What is swarming?
18. Comment on apitincture.
19. What is chemical structure of silk?
20. Define moriculture.
21. Signs of the best layer bird?
22. Explain spirochaetosis in poultry.
23. What is meant by chromosomal banding analysis?
24. What is a multifactorial disease? Give examples.
25. Define cloning. What are the different types?
26. Comment on stem cells and its types.

(8 × 2 = 16 Marks)

III. Answer any **six** of the following. (**Each** question carries **4** marks)

27. Write on fresh water ornamental fishes.
28. Give a short account on composite fish culture.
29. Write a brief account on fishing crafts.
30. Enumerate the varieties of silk, silkworms and their host plants.
31. Describe the uses of the byproducts of apiculture.
32. Write on the indigenous breeds of poultry.
33. Briefly describe the diseases of dairy animals.
34. Define genetic counselling and the role genetic counsellor.
35. Prenatal diagnostic techniques?
36. Meroblastic and holoblastic cleavages?
37. Define morphogenetic movements. Explain different types.
38. Explain the process of embryonic induction with an example.

(6 × 4 = 24 Marks)

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

39. Write an essay on construction, maintenance and management of pond culture.
40. Explain the process of pearl culture.
41. Write on the various steps involved in the production of silk.
42. Elaborate the processes of rearing poultry. Add a note on poultry products.
43. Write an essay on chromosomal and single gene disorders.
44. Give an account on different types of cleavage and blastulae with examples for each

(2 × 15 = 30 Marks)