

Reg. No. :

Name :

Fourth Semester B.Sc. Degree Examination, June 2020

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. 1 mark each) :

1. *Mugil cephalus*
2. Shrimp culture
3. Aquarium plants
4. Name two American poultry breeds
5. Bee pasturage
6. Name any two pests of silk worm
7. Sickle cell anemia
8. Meroblastic cleavage
9. Blastopore
10. Germinal layers.

(10 × 1 = 10 Marks)

II. Answer any **eight** of the following (Not to exceed 120 words. Each carries **2 marks**) :

11. Organizers
12. Amniocentesis
13. Ornamental objects
14. Spawning
15. Mulberry
16. Cocoon
17. Drones
18. Genetic counselling
19. Bilateral cleavage
20. Human genome project
21. Amphimixis
22. Test tube babies.

(8 × 2 = 16 Marks)

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

23. Which are the major fishing crafts and gears used in Aquaculture?
24. Explain the life history of silk worm moth.
25. Differentiate between loose housing and conventional barn system.
26. Which are the major breeding habits of ornamental fishes?

27. comment on composite fish culture.
28. Briefly explain the various bee keeping equipments.
29. Briefly describe the cloning experiments in animals.
30. Comment on morphogenetic movements.
31. Give an account on multifactorial disorders.

(6 × 4 = 24 Marks)

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

32. Write an essay on the construction, maintenance and management of an aquarium unit.
33. Give an account on Apiculture with special reference to apiary management and maintenance.
34. Explain various types of poultry breeds and their peculiarities.
35. Give an account on the different types of autosomal and allosomal disorders in man.

(2 × 15 = 30 Marks)
