

D 103795

(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER (CBCSS-UG) DEGREE EXAMINATION  
APRIL 2024**

Zoology

ZOL 2C 02T—ECONOMIC ZOOLOGY

(2019—2023 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A**

I. Short Answer Questions. Each question carries 2 marks :

- 1 What is autoinfection ? Give an example.
- 2 Name any two species of bees used in Apiculture.
- 3 Write notes on microfilaria.
- 4 How can we control *Rhynchophorus ferrugineus* ?
- 5 What is a pest ? Give two examples.
- 6 Comment on IPM.
- 7 Write notes on mealy pork.
- 8 What are parasitoids ? Give an example.
- 9 What is vagabond disease ?
- 10 Mention the scientific names of any two culture prawns.
- 11 Write notes on any two mussel culture techniques.
- 12 What are nursery ponds ?

(Ceiling : 20 marks)

**Section B**

II. Paragraph Questions. Each question carries 5 marks :

- 13 Write notes on *Wuchereria bancrofti*.
- 14 Write notes on different types of culture systems of prawn.
- 15 Briefly explain the damages and infection caused by *Schistosoma haematobium*.
- 16 Describe the causes of pest outbreak.

Turn over

- 17 Explain induced breeding in prawn culture.
- 18 What are the parasitic adaptations of *Taenia solium* ?
- 19 Describe the steps involved in nucleus insertion in Pearl culture.

(Ceiling : 30 marks)

### Section C

III. Essay Questions. Answer any *one* question :

- 20 Write an essay on any five insect pests and their control measures.
- 21 Describe pearl culture.

(1 × 10 = 10 marks)

C 43215

(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
APRIL 2023**

Zoology

ZOL 2C 02T—ECONOMIC ZOOLOGY

(2019—2022 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A**

I. Short Answer Questions. Each question carries 2 marks :

- 1 Distinguish obligatory and facultative parasites.
- 2 What are zoonotic diseases ?
- 3 What is bladder worm ?
- 4 Write notes on enterobiasis.
- 5 Give four reasons for pest outbreak
- 6 Briefly describe *Leptocorisa*, the rice bug.
- 7 Write notes on Chandraki
- 8 What are Parasitoids ? Give an example.
- 9 Give scientific names of two useful insects.
- 10 What is prawn filtration ?
- 11 Write notes on hapa.
- 12 Give two examples to ornamental fishes.

(Ceiling : 20 marks)

**Section B**

II. Paragraph Questions. Each question carries 5 marks :

- 13 Explain the asexual life of *Plasmodium vivax*.
- 14 Write the merits and demerits of biological control.

**Turn over**

- 15 Distinguish inoculative and contaminative transmissions with examples.
- 16 What are the damages caused by *Spodoptera mauritii* ? Write on its control measures.
- 17 Describe *Ancylostoma duodenale*.
- 18 Write notes on different types of prawn farms.
- 19 What are the characteristics of a culturable fish ?

(Ceiling : 30 marks)

### Section C

III. Essay Questions. Answer any *one* question.

- 20 Write an essay on Mussel culture.
- 21 Explain the various pest management strategies.

(1 × 10 = 10 marks)

C 23901

(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
APRIL 2022**

Zoology

ZOL 2C 02T—ECONOMIC ZOOLOGY

(2019—2020 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A**

I. Short Answer Questions. Each question carries 2 marks :

- 1 What is inoculative transmission ?
- 2 Write any *four* characteristics of a culturable fish.
- 3 What is a facultative parasite ? Give an example.
- 4 Write notes on *Bactrocera*, the fruit fly.
- 5 Give two biological control agents of *Opisina*.
- 6 What is bee pasturage ?
- 7 Give two examples to parasitic protists.
- 8 What is brood lac ?
- 9 Name four insecticides.
- 10 Write on hexacanth embryo.
- 11 What is Isinglass ?
- 12 Write notes on prawn filtration.

(Ceiling : 20 marks)

**Section B**

II. Paragraph Questions. Each question carries 5 marks :

- 13 Describe the causes of pest outbreak.
- 14 Which are the products of Apiculture ? Write on their economic importance.

**Turn over**

- 15 Explain induced breeding in prawn culture.
- 16 Describe the life cycle of *Entamoeba histolytica*.
- 17 What are the different culture techniques employed in mussel farming ? Explain.
- 18 Distinguish monogenetic and digenetic parasites with two examples.
- 19 Explain the procedure of induced spawning in Pisciculture.

(Ceiling : 30 marks)

### Section C

III. Essay Questions. Answer any *one* question :

- 20 Describe Sericulture.
- 21 Write an essay on biological control of insect pests citing examples.

(1 × 10 = 10 marks)

C 22117

(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION, APRIL 2022**

Zoology

ZOL 2C 02T—ECONOMIC ZOOLOGY

(2021 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answer Questions)***Answer at least **eight** questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. What are insect parasitoids ?
2. What are the common cultivable prawn species ?
3. What is the difference between definite and intermediate hosts ?
4. Write down the important methods of nucleus implantation.
5. What are occasional pests ?
6. What is bladder worm ?
7. Enumerate the industrial uses of lac.
8. Write down the damages caused by *Rhynchophorus*.
9. What is meant by autoinfection ?
10. Name any four fresh water ornamental cultivable live bearers.
11. Briefly explain the pathogenicity of dengue fever.
12. What is meant by pest resurgence ?

(8 × 3 = 24 marks)

**Section B (Paragraph Questions)***Answer at least **five** questions.**Each question carries 5 marks.**All questions can be attended.**Overall Ceiling 25.*

13. Give an account on different types of fish pond fertilizers.
14. Briefly explain the clinical symptoms of lymphatic filariasis.

**Turn over**

15. Describe the various methods of biological control among insect pests.
16. Write a note on *Cimex*.
17. Write a short note on the significance of eye stalk ablation in prawn culture.
18. Explain the nature of destruction and control measures of rice weevil.
19. Briefly explain different types of parasites.

(5 × 5 = 25 marks)

**Section C (Essay Questions)**

*Answer any **one** question.*

*The question carries 11 marks.*

20. Describe in detail sericulture and extraction of silk.
21. Discuss the different steps involved in mussel culture.

(1 × 11 = 11 marks)