

(6 pages)

Reg. No. : .....

Code No. : 30711 E Sub. Code : ESZO 31

B.Sc. (CBCS) DEGREE EXAMINATION,  
APRIL 2025.

Third Semester

Zoology

Major Elective — ECONOMIC ZOOLOGY

(For those who joined in July 2023 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The honey bees are belonging to the order  
(a) Hymenoptera (b) Coleoptera  
(c) Hemiptera (d) Odonata
2. The pupa present inside the silk cocoon is killed by  
(a) Hand (b) stifling  
(c) Reeling (d) Pesticide
3. Which of the following nutrients is abundantly found in worm castings?  
(a) Phosphorous  
(b) Nitrogen  
(c) Calcium and other minerals  
(d) All of the these
4. The moisture level required for Vermicomposting should be between  
(a) Below 30 percent  
(b) 40 and 50 percent  
(c) 70 and 80 percent  
(d) Above 90 percent
5. The culture of aquatic organism in a constructed flowing water is called \_\_\_\_\_  
(a) Pokkali culture (b) Acquaponics  
(c) Raceway culture (d) Cage culture
6. The intensive culture of single species fish is called \_\_\_\_\_  
(a) Mixed culture (b) Poly culture  
(c) Mono culture (d) None of these

7. Ranikhet is a \_\_\_\_\_ disease.  
(a) Protozoan (b) viral  
(c) Fungal (d) Bacterial
8. The disease caused due to the deficiency of vitamin B1 \_\_\_\_\_  
(a) Coryza (b) Ranikhet  
(c) Polyneuritis (d) None of these
9. This is an indigenous dairy breed.  
(a) Jersey (b) Deoni  
(c) Red sindhi (d) None of these
10. This is an Indian Buffalo raised for milk  
(a) Jersey (b) Holstein  
(c) Red sindhi (d) Murrah

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write an account of enemies of Honey Bees.  
Or  
(b) Write short note on silkworm bacterial diseases and control measures.

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12. (a) Discuss about the chemical and biological changes made on soils by earthworms.

Or

- (b) Write short notes on Vermiwash and its applications

13. (a) Discuss about the preparation of ponds for aquaculture

Or

- (b) Write short notes on intensive aquaculture.

14. (a) Give a brief account on the important diseases of poultry.

Or

- (b) Write short note on culling of layers.

15. (a) What are the common contagious disease of cattle?

Or

- (b) Write short note on milk spoilage and pasteurization.

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PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Discuss about the natural enemies of honeybees and their control measures.

Or

- (b) Explain in detail about the rearing appliances of silkworm

17. (a) What is Vermicomposting? What are the benefits of Vermicomposting to the farmers?

Or

- (b) How is Vermicomposting helpful for entrepreneurship?

18. (a) Write in detail about the culture of fresh water prawns.

Or

- (b) Explain about the integrated and composite culture of fishes.

19. (a) Explain about the housing and other equipment used for broilers and layers.

Or

- (b) What are the major diseases of poultry and explain the methods of controlling them?

20. (a) Discuss about the advantages and disadvantages of indigenous and exotic breeds of cattle

Or

- (b) Write in detail account on milk spoilage and prevention and its role of milk and milk products in human nutrition