

(6 pages)

Reg. No. : .....

Code No. : 10880 E Sub. Code : ESZO 31

B.Sc. (CBCS) DEGREE EXAMINATION,  
NOVEMBER 2024.

Third Semester

Zoology

Skill Enhancement Course – IV – 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. *Apis dorsata* is also called as
  - (a) Dammer bee
  - (b) Small bee
  - (c) Rock bee
  - (d) None of these
2. The honey bee drones are \_\_\_\_\_.
  - (a) Female
  - (b) Worker
  - (c) Male
  - (d) None of these
3. The process in which earthworms are used to degrade organic waste is \_\_\_\_\_.
  - (a) Compost bedding
  - (b) Humus forming
  - (c) Vermicomposting
  - (d) None of these
4. The Vermicompost is a \_\_\_\_\_.
  - (a) Toxic material
  - (b) Organic biofertilizer
  - (c) Inorganic fertilizer
  - (d) Synthetic fertilizer
5. The culture of large quantities of fishes in a small area is called
  - (a) Extensive culture
  - (b) Acquaculture
  - (c) Intensive culture
  - (d) None of these
6. This organism is cultured in Pokkali fields
  - (a) Tilapia
  - (b) Catla
  - (c) Prawns
  - (d) None of these

7. Which of the poultry bird is exclusively grown for meat?
- (a) Layers                      (b) Cockerel  
(c) Rooster                      (d) Broilers
8. Which of the following is an Indian breed of poultry?
- (a) Busra  
(b) White leghorn  
(c) Australorp  
(d) Plymouth Rock
9. The skimmed milk contains low percentage of
- (a) Protein  
(b) Carbohydrate  
(c) Mineral  
(d) Fat
10. The milk product is produced through churning of the milk curd
- (a) Cream                      (b) Ghee  
(c) Paneer                      (d) Butter

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) What are the different types of honey bees found in India?
- Or
- (b) Write a brief account on social organization of honey bees.
12. (a) How are earthworms classified based on their burrowing habit?
- Or
- (b) Discuss about the natural enemies of earthworm.
13. (a) Explain about composite culture of fishes.
- Or
- (b) Write short note on edible oyster culture.
14. (a) Discuss about the nutritional value of Chicken Egg and Meat.
- Or
- (b) Briefly discuss about the management of layers.

15. (a) Briefly discuss about the advantages of dairy farming.

Or

- (b) Write short note on Indian and Exotic breed of cattle.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Appraise Apiculture as a cottage industry and write about the products needed for apiculture.

Or

- (b) Explain the life history of mulberry silkworm Bombyx Mori.

17. (a) Discuss about the ecological classification of earth worms and the physical, chemical and biological changes caused by earthworms in the soil.

Or

- (b) Discuss about Vermiwash and other products obtained from earthworms.

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18. (a) Discuss in detail about the preparation of pond for Carp fishes, Maintenance and harvesting of carps.

Or

- (b) Explain about the culture of edible and pearl oysters.

19. (a) Discuss in detail about the poultry for sustainable food production and livelihood.

Or

- (b) Write a detail account of construction and maintenance of commercial poultry farming.

20. (a) Explain about the common contagious diseases of cattle and the prevention and control measures.

Or

- (b) Discuss in detail about the dairy cattle management.

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