

(6 pages)

Reg. No. : .....

Code No. : 20867 E Sub. Code : EMZO 11

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

First Semester

Zoology — Core

INVERTEBRATA

(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 locomotory organ in protozoa  
(a) Pseudopodia (b) Cilia  
(c) Flagella (d) All of these
2. Phylum porifera is classified on the basis of  
(a) spicules (b) canal system  
(c) locomotory organ (d) development

3. The function of polyp is  
(a) excretion (b) respiration  
(c) nutrition (d) reproduction
4. Tissue grade of organisation is noticed in  
(a) protozoa (b) porifera  
(c) coelenterata (d) all the above
5. The locomotory organ of neries  
(a) appendage (b) parapodia  
(c) pseudopodia (d) tube feet
6. Elephantiasis is the disease caused by  
(a) round worm  
(b) entamoeba  
(c) ascaris  
(d) filarial worm
7. Oryctes rhinoceros is a pest on  
(a) paddy (b) cotton  
(c) wheat (d) coconut

Page 2 Code No. : 20867 E

8. Pleopods are otherwise called as  
(a) uropod (b) chelate leg  
(c) non chelate leg (d) surimmerets
9. Sea cucumber belongs to the phylum  
(a) arthropoda (b) mollusca  
(c) echinodermata (d) coelenterata
10. Radial symmetry is found in  
(a) starfish (b) apple snail  
(c) ascaris (d) cockroach

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Explain the general characters of phylum porifera.  
Or  
(b) Write an account on the life cycle of trypanosoma.

Page 3 Code No. : 20867 E

12. (a) Discuss the parasite adaptations of liver fluke.

Or

- (b) Write short notes on the morphology of obelia colony.

13. (a) Explain the reproductive system of Ascaris.

Or

- (b) Describe the external morphology of Neries.

14. (a) Describe the external features of penaeus.

Or

- (b) Write an account on the pest of paddy.

15. (a) Explain the digestive system of apple snail.

Or

- (b) Summarise the general features of phylum Echinodermata.

Page 4 Code No. : 20867 E  
[P.T.O.]



PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Explain the life cycle of plasmodium.

Or

- (b) Write an essay on canal system in sponges.

17. (a) Write an essay on coral reefs.

Or

- (b) Summarise the life cycle of liver fluke.

18. (a) Give an account on the pathogeny of ascaris lumbricoides.

Or

- (b) Describe the general characteristics and classification of Annelida.

19. (a) Write an account on the larval forms of penaeus.

Or

- (b) Summarise the affinities of peripatus.

Page 5 Code No. : 20867 E

20. (a) Explain water vascular system in star fish.

Or

- (b) Justify cephalopods as advanced molluscs.
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Page 6 Code No. : 20867 E