

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 process of conjugation in paramecium.

Or

- (b) Explain the types of nutrition in protozoa.

17. (a) Describe the structural organization of obelia colony.

Or

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

18. (a) Narrate the mode of life in Annelids.

Or

- (b) Write an essay on metamerism.

19. (a) Give an account on the cephalic appendages of prawn.

Or

- (b) Illustrate the economic importance of insects.

20. (a) Write an essay on larval forms of echinoderms.

Or

- (b) Describe the digestive system in pila.

Reg. No. :

Code No. : 30791 E Sub. Code : EMZO 11

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2023.

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. Phylum protozoa is classified on the basis of
 - (a) food vacuole
 - (b) habitat
 - (c) locomotory organ
 - (d) all of these
2. The causative organism of amoebiasis
 - (a) Round worm
 - (b) Entamoeba
 - (c) Ascaris
 - (d) Liver fluke



3. The excretory organ of platyhelminthes
 - (a) Nephridia (b) Parenchyma
 - (c) Nephron (d) Flame cells
4. The phenomenon of metagenesis is exhibited in
 - (a) Aurelia (b) Porpita
 - (c) Velalla (d) Obelia
5. The larval form of ascaris is
 - (a) Rhabditiform (b) Redia
 - (c) Trocophore (d) Miracidium
6. Metameric segmentation is first found in the phylum
 - (a) Nematoda (b) Annelida
 - (c) Mollusca (d) Arthropoda
7. In penaeus the number of cephalic appendages are
 - (a) 5 pairs (b) 8 pairs
 - (c) 6 pairs (d) 7 pairs
8. The important character of phylum arthropoda is
 - (a) 3 pair of legs (b) compound eyes
 - (c) haemocoel (d) jointed appendages
9. Tube feet are characteristic features of
 - (a) star fish (b) jelly fish
 - (c) eray fish (d) cuttle fish

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10. Radula is the organ associated with the digestive system of
 - (a) Sepia (b) Pila
 - (c) Starfish (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) Write notes on the structure and pathogenesis of entamoeba histolytica.
Or
(b) Describe the external morphology of paramecium.
12. (a) Explain the morphological features of liver fluke.
Or
(b) Describe the types of coral reefs.
13. (a) Give an account on the life cycle of wuchereria bancrofti.
Or
(b) Describe the external morphology of Neries.
14. (a) Evaluate the general characteristics of phylum arthropoda.
Or
(b) Write an account on "Pests of coconut".
15. (a) Explain the digestive system of apple snail.
Or
(b) Summarise the general features of echinodermata.

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