

(6 pages)

Reg. No. :

Code No. : 10870 E Sub. Code : EMZO 11/
FCZO 11

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 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. Choose the causative agent of Amoebiasis
(a) euglena (b) entamoeba
(c) paramecium (d) volvox
2. Name the cyclical movement of food vacuoles in Paramecium
(a) cytolysis (b) cyclomorphosis
(c) cyclosis (d) epipoly

3. The primary host of liver fluke is
(a) cow (b) sheep
(c) monkey (d) mice
4. Choose the offense and defence organs of Coelenterata
(a) Nematocyst
(b) Otolith
(c) Flame cells
(d) Tube feet
5. Choose the locomotory organs of neris
(a) parapodium
(b) gills
(c) setae
(d) cuticle
6. Choose the larval form of ascaris
(a) tad pole
(b) cercaria
(c) rhabditiform larva
(d) zoea

7. Trochophore is the larval form of phylum _____.

- (a) Mollusca
- (b) Arthropoda
- (c) Annelida
- (d) Porifera

8. *Scirpophaga incertulas* is a pest of

- (a) rice (b) coconut
- (c) sugar cane (d) groundnut

9. Which is the second larval stage of Star fish?

- (a) Clochidium
- (b) Zoea
- (c) Hexacanth
- (d) Bipinnaria

10. In pila, aquatic respiration is carried out by _____.

- (a) lungs (b) skin
- (c) Ctenidium (d) Gills

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PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Describe the conjugation in paramecium.

Or

(b) Discuss the economic importance of Protozoa.

12. (a) Draw the diagram of *Obelia* and label all the parts.

Or

(b) Explain the structure of liver fluke.

13. (a) Differentiate the male *ascaris* and female *ascaris*.

Or

(b) Elaborate the *Ancylostoma duodenale*.

14. (a) Explain about the *Chilo imfusatellus*.

Or

(b) Explain the harmful effect of Rhinoceros beetle.

15. (a) Write an economic importance of Cephalopods.

Or

(b) Explain the structure of star fish.

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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 the general characteristics of Porifera.

Or

- (b) Explain the life cycle of Plasmodium.

17. (a) Elaborate the general characteristics of Coelenterate.

Or

- (b) Explain the significance of coral reefs.

18. (a) Discuss the salient features of polychetes.

Or

- (b) Explain the Metamerism in Annelids.

19. (a) Discuss the affinities of Peripatus.

Or

- (b) Explain the larval forms of crustaceans

20. (a) List out the general characteristics of Mollusca.

Or

- (b) Describe the water vascular system in Echinodermata.