

(6 pages)

Reg. No. :

Code No. : 10027 E Sub. Code : CMZO 11

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

First Semester

Zoology – Core

Major – INVERTEBRATA

(For those who joined in July 2021 and 2022 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Who proposed the Binomial nomenclature?
(a) Mendel
(b) De Vries
(c) Darwin
(d) Linnaeus

2. The book "Systema Naturae" was written by
(a) Linnaeus (b) Lamark
(c) Aristotle (d) Darwin
3. Most of the sponges are
(a) Solitary
(b) Colonial
(c) Fresh water form
(d) Cold water inhabitants
4. Digestion in sponges is
(a) Intracellular (b) Intercellular
(c) both (a) and (b) (d) Extracellular
5. Parasite which has no alimentary canal is
(a) liver fluke (b) Earth worm
(c) Tapeworm (d) None of these
6. Almost all intestinal parasites are belonging to
(a) Anaerobic
(b) Round worms
(c) Bisexual
(d) Long flat

7. The respiratory organs of Peripatus are
(a) Gills (b) Lungs
(c) Body surface (d) Tracheae
8. The number of legs found in Peripatus is
(a) 10-20 pairs
(b) 15-40 pairs
(c) 14-43 pairs
(d) 10-15 pairs
9. Gastropods are
(a) Mollusca
(b) Arthropods
(c) Arachnids
(d) Chordates
10. Star fish moves by
(a) Lobopodia
(b) Phizopodia
(c) Tube feet
(d) Cephalopodia

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 structure and function of contractile vacuole in Paramecium.
Or
(b) Write the general characters of Protozoa.
12. (a) Explain about Leucosolenia.
Or
(b) Describe the polyps of obelia colony.
13. (a) Mention the characters of Platyhelminthes.
Or
(b) Classify the Aschelminthes with examples.
14. (a) Write the salient feature of phylum arthropods.
Or
(b) Discuss the evolutionary significance of Peripatus.

15. (a) List the general characters of Mollusca.

Or

(b) Give a brief account on torsion in gastropods.

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 in mosquito.

Or

(b) Write an essay on Life history of Paramecium.

17. (a) Explain the life history of obelia colony.

Or

(b) Write an essay on Polymorphism in Coelenterates.

18. (a) Give an account on Ascaris.

Or

(b) Give an account on the metamerism in annelids.

19. (a) With neat diagram describe the digestive system of prawn.

Or

(b) With the neat diagram explain the appendages of prawn.

20. (a) Write in detail about the respiratory organs and mechanism of respiration in Pila.

Or

(b) What is pearl? How is the pearl formed?
