

Reg. No. :

Code No. : 30792 E

Sub. Code : EEZO 11

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

First Semester

Zoology

Elective — ALLIED ZOOLOGY – I

(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. Which one of the following shows radial symmetry?
 - (a) Amoeba
 - (b) Coelenterates
 - (c) Euglena
 - (d) Annelida
2. Leech belongs to the class
 - (a) Hirudinea
 - (b) Oligochaeta
 - (c) Polychaeta
 - (d) Archiannelida
3. Connecting link between annelida and arthropoda
 - (a) Earthworm
 - (b) Insects
 - (c) Peripatus
 - (d) Scorpion

4. Radula is the organ associated with the digestive system of
 - (a) Pila
 - (b) Starfish
 - (c) Fish
 - (d) Cockroach
5. Chordates containing notochord extending upto the tip of the head are called
 - (a) Vertebrata
 - (b) Urochordata
 - (c) Cephalochordata
 - (d) Acranial
6. In pisces the heart is
 - (a) 2 chambered
 - (b) 3 chambered
 - (c) 3½ chambered
 - (d) 4 chambered
7. Reptiles with two fossae on their skull are called
 - (a) Anapsida
 - (b) Diapsida
 - (c) Parapsida
 - (d) Synapsida
8. Pouched mammals belong to the class
 - (a) Prototheria
 - (b) Metatheria
 - (c) Eutheria
 - (d) All of these
9. Excretory organ of earthworm
 - (a) Flame cells
 - (b) Green gland
 - (c) Nephridia
 - (d) Kidney
10. In rabbit statoreceptors are the organs of
 - (a) Touch
 - (b) Smell
 - (c) Hearing
 - (d) Equilibrium

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Write the classes of protozoa with example.
Or
(b) Describe the characteristic features of tapeworm.
12. (a) Discuss the salient features of class crustacea.
Or
(b) Give an account on the general characters of phylum mollusca.
13. (a) Describe the class ascidiacea with example.
Or
(b) Write an account on chondrichthyes and osteichthyes.
14. (a) Seymouria is a connecting link between amphibian and reptiles – Justify.
Or
(b) Discuss the general characters of mammals.
15. (a) Write an account on body setae of earthworm.
Or
(b) Explain the respiratory system of Rabbit.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Write an essay on types of symmetry in animals.

Or

- (b) Discuss the general characteristics of phylum coelenterata.

17. (a) Describe the general characters of arthropods.

Or

- (b) Classify phylum echinodermata.

18. (a) Write an account on general characters of chordates.

Or

- (b) Describe the characteristics of class amphibia.

19. (a) Classify reptiles based on the presence of fossal in their skull.

Or

- (b) Discuss the characteristic features of aves.

20. (a) Explain the digestive system of earthworm.

Or

- (b) Write an account on cephalic appendages of prawn.