

B Sc (CBCS) DEGREE EXAMINATION,
APRIL 2024.

First Semester

Zoology -- Elective

ALLIED ZOOLOGY -- I

(For those who joined in July 2023 onwards)

Time : Three hours

Maximum : 75 marks

PART A -- (10 x 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. Bacterial symmetry is seen in
 - (a) Protozoa
 - (b) Porifera
 - (c) Coelenterata
 - (d) Annelida

8. Turtles belong to the order
 - (a) Crocodilia
 - (b) Phytosauria
 - (c) Lacertilia
 - (d) Chelonia
9. Band of glandular tissue present in mature earthworm is called
 - (a) Clitellum
 - (b) Cocoon
 - (c) Spermatheca
 - (d) Dorsal pore
10. The sensory appendage of prawn
 - (a) Antennae
 - (b) Mandible
 - (c) Maxilla
 - (d) Maxillipedes

PART B -- (5 x 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Describe five kingdom classification.

Or

- (b) Write note on polychaetes with example.

2. Which one of the following is parasitic on human
 - (a) Paramecium
 - (b) Amoeba
 - (c) Plasmodium
 - (d) Euglena
3. Animals with jointed appendages are called
 - (a) Arthropods
 - (b) Annelids
 - (c) Mollusca
 - (d) Echinodermata
4. Bipinnaria is a larva of
 - (a) Neries
 - (b) Pila
 - (c) Star fish
 - (d) Leech
5. Bony fishes belong to the class
 - (a) Osteichthyes
 - (b) Chondrichthyes
 - (c) Placodermi
 - (d) Agnatha
6. In Amphibians the heart is
 - (a) 2 chambered
 - (b) 3 chambered
 - (c) 3 1/2 chambered
 - (d) 4 chambered
7. Excretory product of birds
 - (a) Ammonia
 - (b) Urea
 - (c) Uric acid
 - (d) Nitrates

12. (a) Describe the salient features of class insecta.
- Or
- (b) Write an account on cephalopods.
13. (a) Discuss Balanoglossus as a hemichordata.
- Or
- (b) Write a brief account on the characteristics of amphibians.
14. (a) Illustrate sphenodon as a living fossil.
- Or
- (b) Write an account on pouched mammals.
15. (a) Describe the characteristic features 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) Describe the criteria of classification.

Or

- (b) Explain the general characters of phylum protozoa.

17. (a) Discuss the characteristic features of phylum Echinodermata.

Or

- (b) Classify phylum Mollusca with example.

18. (a) Write an account on classification of chordate.

Or

- (b) Discuss the general characters of class Pisces.

19. (a) Describe the characters of reptiles.

Or

- (b) Prototherans are primitive mammals - Discuss.

20. (a) Give an account on the larval forms of prawn.

Or

- (b) Explain the structure of heart in rabbit.