

2022-26
(Back Log)

Full Marks : 60

Time : 3 Hours

Candidates are required to give their answer in their own words as far as practicable. Their figures in the margin indicate full marks.

Answer from **both** the Sections as directed.

Section - A

(Compulsory)

1. Choose the **correct** option for following :

1×5=5

(i) Which phylum shows radial symmetry :

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

(ii) Notochord is present in :

- (a) All vertebrates
- (b) All chordates
- (c) All Echinoderms
- (d) All cyclostomes

(iii) Segmented body is characteristic of :

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

(iv) Nephridia is excretory organ in :

- (a) Hydra
- (b) Frog
- (c) Earthworm
- (d) Snail

(v) Which of the following animals are Uricotelic.

- (a) Land reptiles, Birds and Insects
- (b) Fishes and Protozoans.
- (c) Frog and Reptiles.
- (d) Birds and mammals.

2. Write short notes on any **one** : 5×1=5

- (a) Flightless Birds
- (b) Vision in arthropods.

3. Write briefly on "any **one**" : 5×1=5

- (a) Difference between poisonous and non-poisonous snake.
- (b) General character of porifera.

Section -B

Note : Answer "Any **three**". 15×3=45

4. Give a brief description of life cycle of Fasciola hepatica. 15

5. Briefly describe the water vascular system of Echinoderms. 15

6. Describe the general characteristic and classification of amphibia. 15

7. Give a detail account of parental care in fishes. 15

8. Briefly describe the general characteristics of Hemichordates. 15

Section-B

Note: Answer "Any three"

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5. Briefly describe the water vascular system of Echinodermata. 15

6. Describe the general characteristics and classification of amphibians. 15

7. Give a detail account of parental care in fishes. 15