

Zoology - Paper - II

Important questions

Unit - I

(A) Long questions:-

1. Retrogressive metamorphosis - Herdmania.
2. Dist. characters of Chordates.
3. Genl. characters of Cyclostomes - Differences between Petromyzon & Myxine.
4. Scyliodon's Heart Structure and function, (Single Circulated heart).
5. Respiratory System of Scyliodon.
6. Structure of brain and functions of different parts - Scyliodon.
7. Frog's blood structure and functions.
8. Digestive^{system} and structure and action of Heart - Rana.
9. Frog's Urino-genital System.
10. Frog's brain structure.

(B) Short Answers:-

1. Characters of Cephalochordates / Urochordates.
 2. Structure of Holobranch.
 3. Scales in Pisces. 4. Chondrichthys. 5. Dipnoi fishes.
 6. Anura. 7. Migration in fishes. 8. Parental care in Amphibia.
- (a) Islets of Langerhans.

Unit - II

(A) Long questions:-

1. Respiratory System of Calotes, Urino-genital System of Calotes.
2. Structure and action of heart of Columba.
3. Double Respiration in Bird. 4. Migration in Birds.
4. 5. Dentition in Mammals.

(B) Short Answers:-

1. Rhynchocapalia. 2. Crocodelia. 3. Metatheria. 4. Platypus.
- (5) Quill feather. 6. Syrinx. 7. Squamata.

Unit-III

(A) Long questions:-

- ① Placenta in Mammals.
- ② Extra-embryonic membranes and their importance.
- ③ Regeneration in respect of Turbellarians and lizards.
- ④ Gametogenesis (Spermatogenesis/Oogenesis).
- ⑤ Types of Eggs and cleavages.
- ⑥ Development in Frog. (upto Gastrula Stage).

(B) Short Answers:-

- ① Germinal layers.
- ② Amnion.
- ③ Imagination.
- ④ Epiboly.
- ⑤ Graafian follicle.

Unit-IV

(A) Long questions:-

1. N_2 , CO_2 , P-Cycle.
- ② Mutualism.
- ③ Essay on the growth of human population and its control.
- ④ Food chains.
- ⑤ Ecological Succession with examples.
- ⑥ Characteristic features and fauna of Oriental Region.

(B) Short Answers:-

- ① Fauna of Australasia/Ethiopian Regions.
- ② Parasitism.
- ③ Phosphorus Cycle.
- ④ Community interactions.