

4887

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6. Write short notes on (Any Three) : (5,5,5)

- (a) Pearl formation in Mollusca
- (b) Adaptation of terrestrial life in Amphibians
- (c) Parasitic adaptations in Platyhelminths
- (d) Salient features of cephalochordates

(300)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4887 J

Unique Paper Code : 2234002004

Name of the Paper : Exploring the Animal World

Name of the Course : Generic Elective: Zoology

Semester : IV (NEP-UGCF)

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **FOUR** questions in all, including Question No. 1 which is compulsory.
3. Draw well labelled diagram wherever necessary.

1. (a) Define the following (Any five) : (5)

(i) Gastrozooids

P.T.O.

(ii) Pseudopodia

(iii) Metamerism

(iv) Notochord

(v) Mosaic Image

(vi) Coelom

(b) Differentiate between the following (**Any three**) :
(6)

(i) Radial and Bilateral Symmetry

(ii) Pinacocytes and Choanocytes

(iii) Cartilaginous and Bony fish

(iv) Metatheria and Eutheria

(v) Cilia and Flagella

(c) Fill in the blanks : (4)

(i) The type of locomotory organelle present in *Euglena* is called _____.

(ii) Egg laying mammals are also known as _____.

(iii) An example of Cephalochordate is _____.

(iv) In *Sycon*, the water exits the body through a pore called _____.

2. (a) Give a detailed account of the different types of canal system in Porifera. (9)

(b) State the difference between poisonous and non-poisonous snakes. (6)

3. (a) Explain Catadromous and Anadromous Migration with suitable examples. (6)

(b) Describe the different mechanisms involved with vision in insects. (9)

4. (a) Explain the locomotory organelles and locomotion in Protozoa. (10)

(b) Briefly state the characteristics of Annelida. (5)

5. (a) Explain Flight adaptation in birds. (9)

(b) Give an account of polymorphism in Cnidaria. (6)