

6. Write short notes on **any three** of the following:

(5,5,5)

- (a) Polymorphism in cnidaria
- (b) Evolution of Mammals
- (c) Metamersim
- (d) Cartilagenous and bony fishes.

(1000)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 5914

H

Unique Paper Code : 2234002004

Name of the Paper : Exploring Animal World

Name of the Course : **Zoology: Generic Elective for Honours**

Semester : IV

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** question including **Q. No. 1**, which is compulsory.
3. Draw neat and well labelled diagrams wherever necessary.

1. (A) Define the following: (any four) (1×4=4)

(a) Coelom

(b) Pseudopodia

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- (c) Notochord
- (d) Choanocytes
- (e) Buccal diverticulum

(B) Differentiate between the following: (any four)
(2×4=8)

- (a) Metatheria and Eutheria
- (b) Down stroke and Recovery stroke
- (c) Hemichordates and Urochordates
- (d) Medusa and polyps
- (e) Chordates and Non Chordates

(C) Give the location and function of the following:
(any three) (1×3=3)

- (a) Tiedmann's body
- (b) Statocyst
- (c) Uropygial gland

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- (d) Clitellum

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

(b) Describe general Characters of helminthes
(10, 5)

3. (a) Define canal system. Discuss various types of canal system with suitable Examples.

(b) Discuss the parasitic adaptations in helminthes.
(10, 5)

4. (a) Explain flight adaptation in birds.

(b) Mention the general features of Mammals.
(9, 6)

5. (a) Discuss the water vascular system in starfish.

(b) Discuss the terrestrial adaptations in Amphibians.
(10, 5)

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