

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 5850

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Unique Paper Code : 2234002004

Name of the Paper : Exploring Animal World (GE)

Name of the Course : **B.Sc. (Hons.) Zoology**

Semester : VI (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. **Q1** is compulsory.
3. Attempt **FOUR** questions. Each question carries equal marks.
4. Give a suitable diagram where applicable.

1. (a) Define the following : (3×1=3)

- (i) Coelom
- (ii) Collar cells
- (iii) Triploblastic

(b) Distinguish Between : (3×2=6)

- (i) Cilia and Flagella
- (ii) Pinocytosis and Phagocytosis
- (iii) Operculum and Gill slits

P.T.O.

(c) Give the location of following organs : (4×1=4)

- (i) Swim Bladder
- (ii) Flame cells
- (iii) Nephridia
- (iv) Ampulla of Lorenzini

(d) Give Scientific name of the following animal : (2×1=2)

- (i) Tapeworm
- (ii) Cockroach

2. Why Arthropoda considered a successful Phylum ? Describe in detail vision in arthropoda? (15)

3. What are the distinguishable characters of phylum Echinodermata? Elaborate the water vascular system in starfish? (15)

4. What is a Vertebrate, give its general characteristics? Mention the terrestrial adaptations of Amphibians? (15)

5. Write short note on (**any three**) : (15)

- (a) Pearl Formation
- (b) Metamerism
- (c) Flight Adaptations in Birds
- (d) Poisonous and Non-Poisonous Snakes