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S. No. of Question Paper : 5454

Unique Paper Code : 2234002004

Name of the Paper : Exploring Animal World

Name of the Course : Zoology : Generic Elective for Honours

Semester : II

Duration : 2 Hours

Maximum Marks : 60

(Write your Roll No. on the top immediately on receipt of this question paper.)

Question No. 1 is compulsory and attempt *three* questions remaining.

Substantiate your answer with diagrams wherever necessary.

1. (a) Define the following (any *four*) :

4×1=4

(i) Nacre

(ii) Monocondylic

(iii) Osculum

(iv) Moulting

(v) Perching

P.T.O.

(b) Differentiate between the following (any *four*) : $4 \times 2 = 8$

(i) Platyhelminths and Nemathehelminths

(ii) Schizocoelomate and Enterocoelomate

(iii) Cilia and Flagella

(iv) Catadromous and Anadromous

(v) Polyp and Medusa.

(c) Give the location and its function in an organism (any *three*) : $3 \times 1 = 3$

(i) Nematocysts

(ii) Spiracle

(iii) Choanocytes

(iv) Symsacrum.

2. (a) Explain water vascular system in starfish with a diagram. 9,6

(b) Write the general characters of arthropods.

3. (a) What is compound eye ? Explain vision in arthropods. 9,6

(b) Briefly explain the pearl formation.

4. (a) Describe the flight adaptations in Aves. 9,6

(b) Write the key for identification of poisonous and non-poisonous snakes.

5. Write short notes on the following (any *three*) :

5,5,5 . .

- (a) Adaptations in amphibians for the terrestrial life
- (b) Parasitic adaptations in Platyhelminthes
- (c) Metamersim in Annelids
- (d) General characters of Mammals.