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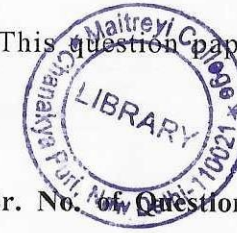
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6. Write short notes on **ANY THREE** of the following :
(3×5=15)

- (i) Taxonomic hierarchy and binomial nomenclature
- (ii) Life cycle of *Ascaris*
- (iii) Biting mechanism in snakes
- (iv) Locomotion in Protozoa

(500)

[This question paper contains 4 printed pages.]



08.01.2024(M)
Your Roll No.....

Sr. No. of Question Paper : 1775

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Unique Paper Code : 2232521101

Name of the Paper : Diversity of Animals (DSE-3)

Name of the Course : **B.Sc. (P) Life Science**
UGCF

Semester : I

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 **FOUR** questions in all.
3. Question No. 1 is compulsory.
4. Illustrate your answers with diagram wherever necessary.

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1. (a) Define the following :

(1×6=6)

- (i) Enterocoelom
- (ii) Mantle
- (iii) Lobopodia
- (iv) Madreporite
- (v) Gnathostomata
- (vi) Keel

(b) Give the scientific name of the following : (2)

- (i) Glass rope sponge
- (ii) Sea Star
- (iii) Slipper animalcule
- (iv) Flying lizard

(c) Differentiate between :

- (i) Amniotes and Anamniotes
- (ii) Endothermy and Ectothermy

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(iii) Ocellus and Ommatidium

(iv) Scolex and Acetabulum

2. (a) Give an account of types of metamorphosis and its hormonal control in Insects. (9)

(b) How does pearl formation occur in molluscs? (6)

3. (a) Discuss the parasitic adaptations in Helminthes. (9)

(b) Discuss the process of Torsion in Gastropods. (6)

4. (a) Explain retrogressive metamorphosis in Urochordates. (7)

(b) Discuss the types of migration in birds with examples. (8)

5. (a) Discuss the parental care in fishes with examples. (5)

(b) Write a detailed account of flight adaptations in birds. (10)

P.T.O.