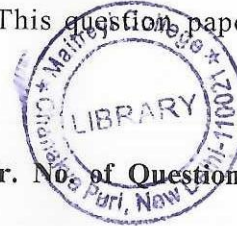


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- (b) Swim Bladder
- (c) Parental Care in Amphibia
- (d) Continental Drift Theory

[This question paper contains 4 printed pages.]



27.12.2023(M)
Your Roll No.....

Sr. No. of Question Paper : 1539

G

Unique Paper Code : 2232012301

Name of the Paper : Diversity of Chordates

Name of the Course : B.Sc. (H) Zoology – UGCF

Semester : III

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. Answer any **FOUR** questions in all.
3. Question No. 1 is compulsory.
4. Draw well-labelled diagrams wherever necessary.

1. (i) Define the following terms (any five): (5)

(a) Notochord

(1000)

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- (b) Preen Gland
- (c) Amniote
- (d) Proteroglyphous
- (e) Paedogenesis
- (f) Rete mirabile

(ii) Differentiate between the following (**any three**) :
(6)

- (a) Cephalochordate and Hemichordate
- (b) Prototheria and Metatheria
- (c) Anura and Apoda
- (d) Artiodactyla and Perissodactyla

(iii) Give Genus name of the following and classify upto order (**any four**) :
(4)

- (a) Flying fish
- (b) Squirrel
- (c) Midwife toad
- (d) Lamprey
- (e) Krait

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- 2. (a) Discuss various larval forms of protochordates and their significance.
(b) Give the general characteristics of Agnatha.
(9+6)
- 3. (a) Describe the osmoregulation in marine fishes.
(b) Write a note on fauna of oriental region.
(9+6)
- 4. (a) Give a stepwise account of biting mechanism of snake.
(b) Justify the statement 'Sphenodon is a living fossil'.
(9+6)
- 5. (a) Describe the various adaptations of the Aves that make them the master of the air.
(b) How do birds find their way during migration?
(9+6)
- 6. Write the short notes on **any three** of the following :
(15)
 - (a) Origin of Tetrapods

P.T.O.