

21Z002C5L

No. of Printed Pages : 2



Sl. No.

M.Sc. II Semester Degree Examination, Sept./Oct. - 2024

ZOOLOGY

DSC 5 : Biology of Chordates

(NEP)

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with question **No.1 compulsory**, each question carries **equal** marks.

1. Give a brief account on the following :
 - (a) General characters of Chordates 5
 - (b) Significance of retrogressive metamorphosis 5
 - (c) Life cycle of Branchiostoma 4

2. Explain the following :
 - (a) Origin and evolution of Agnatha 5
 - (b) Migration in fishes 5
 - (c) Adaptive radiation in bony fishes 4

3. Give an account on the following :
 - (a) Poisonous and non-poisonous snakes 5
 - (b) Extinct reptiles 5
 - (c) Neoteny 4

4. Write an account on :
 - (a) Aerial adaptation in birds 5
 - (b) Evolution of mammals 5
 - (c) Structural peculiarities of Metatheria 4

5. Explain in brief about :
 - (a) Mammalian Heart 5
 - (b) Dermal derivatives 5
 - (c) Cutaneous respiration 4



P.T.O.

- 6.** Write about the following topics :
- (a) Chondrichthyes **5**
 - (b) Parental care in amphibians **5**
 - (c) Snake venom **4**
- 7.** Give a brief note on :
- (a) Mechanism of flight in birds **5**
 - (b) Aquatic mammals **5**
 - (c) Mammalian kidney **4**
- 8.** Write in brief about :
- (a) Lateral line system in fishes **5**
 - (b) Prototheria **5**
 - (c) Placoderms **4**

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