

Roll No.

21268

**B. Sc. (Hons.) Chemistry 2nd Semester
Examination – May, 2019**

ZOOLOGY - II

Paper : CH(H)208 Opt.-ii

Time : Three Hours] [Maximum Marks : 40

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each Unit. Question No. 1 is *compulsory*. All questions carry equal marks.

1. Answer the following questions briefly : $8 \times 1 = 8$
- (a) What are the *four* main characteristics of Chordates ?
 - (b) Name the classes of Hemichordates.
 - (c) Define the term Ectothermic.
 - (d) Define Hermaphrodites.

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- (c) Name any *two* fossil ancestors of tetrapods.
- (f) Define the term Ovoviviparous.
- (g) Describe Migration.
- (h) Define Airfoil Mechanism.

UNIT – I

2. Write note on the following : $4 + 4 = 8$
- (a) General features of Urochordates.
 - (b) Origin of Chordates.
3. Discuss the following : $4 + 4 = 8$
- (a) Phylogeny of Hemichordates.
 - (b) Retrogressive Metamorphosis.

UNIT – II

4. What do you understand by Agnatha ? Write about its general features. 8
5. Explain the following : $4 + 4 = 8$
- (a) Osmoregulation in freshwater fish.
 - (b) Parental care in fishes.

UNIT – III

6. Describe the following : $4 + 4 = 8$

(2)

- (a) Origin of Amphibian.
- (b) Parental care in Amphibians.

7. Write note on the following : 4

- (a) Origin of Reptiles.
- (b) Characteristics of Poisonous Snakes.

UNIT - IV

8. Write note on the following : 4

- (a) Migration in Aves.
- (b) Origin of Aves.

9. Discuss the following : 4

- (a) Evolution of Human.
- (b) Origin of Mammals.