

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

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- (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.

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