

B.Sc. Semester - 2 (CBCS) Examination**March/April- 2018****ZOOLOGY****(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que. 1 (A) Give the answer of following questions. (4)
- (1) What is Taxonomy?
 - (2) What is the importance of studying animal classification?
 - (3) Write Classification of Shark.
 - (4) Which animals are included in Protochordate?
- Que. 1 (B) Write any one out of Two. (2)
- (1) Explain Draco in short.
 - (2) What is fertilization? Explain with example of amphioxus.
- Que. 1 (C) Write any one out of Two. (3)
- (1) Draw Amphioxus and explain its external characters.
 - (2) Write short note on Birds.
- Que. 1 (D) Write any one out of Two. (5)
- (1) Write general characteristics of Reptiles.
 - (2) Explain digestive system of Amphioxus with diagram.
- Que. 2 (A) Give the answer of following questions. (4)
- (1) Define Darwinism.
 - (2) Describe about phylogeny of horse in short.
 - (3) What is Alleles?
 - (4) What is Neo darwinism?
- Que. 2 (B) Write any one out of Two. (2)
- (1) Explain evolution of horse in short.
 - (2) Explain "Rh" factor in short.
- Que. 2 (C) Write any one out of Two. (3)
- (1) Write short note on Erythroblastosis foetalis.
 - (2) What are A, B, O blood groups? Explain in detail.
- Que. 2 (D) Write any one out of Two. (5)
- (1) Write short note on Lamarckism.
 - (2) Write short note on Coat color of Rabbit.
- Que. 3 (A) Give the answer of following questions. (4)
- (1) Name some enzymes which digest proteins.
 - (2) Why blood coagulation occurs?
 - (3) The tip of sperm is known as _____.
 - (4) Write down a definition of digestion.
- Que. 3 (B) Write any one out of Two. (2)
- (1) Describe blood coagulation.
 - (2) Describe Oogenesis.

- Que. 3 (C) Write any one out of Two. (3)
 (1) Describe in detail: Composition of blood.
 (2) Explain physiology of absorption of carbohydrates.
- Que. 3 (D) Write any one out of Two. (5)
 (1) Explain Spermatogenesis in detail with Diagram.
 (2) Describe physiology of digestion of food.
- Que. 4 (A) Give the answer of following questions. (4)
 (1) Describe Flea.
 (2) Entamoeba belongs to which phylum?
 (3) What is the function of feeder as poultry apparatus?
 (4) What is the common name of *Ascaris lumbricoides*?
- Que. 4 (B) Write any one out of Two. (2)
 (1) What are the characteristics of parasitic insects? Explain in short.
 (2) Write about aquarium in short.
- Que. 4 (C) Write any one out of Two. (3)
 (1) Write short note on types/kinds of poultry house.
 (2) Describe various types of apparatuses used in poultry farm.
- Que. 4 (D) Write any one out of Two. (5)
 (1) Write short note on Bed bug.
 (2) Give general account of poultry science.
- Que. 5 (A) Give the answer of following questions. (4)
 (1) What is Estrus Cycle?
 (2) Name the animal with fibrous horn.
 (3) Draw structure of Hoof.
 (4) Name parts of heart in Aves.
- Que. 5 (B) Write any one out of Two. (2)
 (1) Describe about claws and hoofs.
 (2) Describe estrus cycle with example.
- Que. 5 (C) Write any one out of Two. (3)
 (1) What is menstrual cycle? Explain in detail.
 (2) Describe about types of horns.
- Que. 5 (D) Write any one out of Two. (5)
 (1) Describe various Integumentary System.
 (2) Describe four chambered heart in detail.
