

B.Sc. Semester - 2 (CBCS) Examination
March/April – 2026 (New Course)
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. (04)
- (1) Amphioxus belongs to class
 - (2) Which type of scales found in fishes?
 - (3) Exoskeleton of feathers is a peculiar characters of class.....
 - (4) Give any two characteristic of class mammals.
- Que.1(B) WRITE ANY ONE OUT OF TWO. (03)
- (1) Describe sperm and ova of amphioxus.
 - (2) Write any six characteristics of class Amphibia.
- Que.1(C) WRITE ANY ONE OUT OF TWO. (07)
- (1) Give the classification of superclass Pisces up to class.
 - (2) Describe T.S. passing through pharynx region of Amphioxus.
- Que.2(A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (04)
- (1) Which blood group is generally known as universal receptor.
 - (2) Give the genotype of Agouti coat color in rabbit.
 - (3) Which type of antibody found in Blood group A.
 - (4) Give the genotype/multiple alleles of blood group B.
- Que.2(B) WRITE ANY ONE OUT OF TWO. (03)
- (1) Describe characters of multiple alleles.
 - (2) Write a note on Equus.
- Que.2(C) WRITE ANY ONE OUT OF TWO. (07)
- (1) Give a general account on 'C' gene in rabbit.
 - (2) Describe different types of blood group in human.
- Que.3(A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (04)
- (1) Enzyme pepsin is responsible for the digestion of
 - (2) Which anti-coagulant found in human blood?
 - (3) Which component of blood is responsible for it's red color?
 - (4) Where dose spermatogenesis occur?
- Que.3(B) WRITE ANY ONE OUT OF TWO. (03)
- (1) Describe spermatogenesis.
 - (2) Write a note on WBCs.
- Que.3(C) WRITE ANY ONE OUT OF TWO. (07)
- (1) Describe co-agulation of blood.
 - (2) Describe digestion of protein in alimentary canal.
- Que.4(A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (04)
- (1) *Trypanosoma gambiense* causes..... disease.
 - (2) Elephantiasis is caused by
 - (3) Flea is vector ofdisease.
 - (4) List out aquarium fishes.
- Que.4(B) WRITE ANY ONE OUT OF TWO. (03)
- (1) Write a note on waterer and feeder.
 - (2) Describe pathogenic effects of round worms.

- Que.4(C) WRITE ANY ONE OUT OF TWO. (07)
- (1) Describe human louse as harmful parasitic insect.
 - (2) Give a general account of freshwater aquarium.
- Que.5(A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (04)
- (1) cycle is also known as primate cycle.
 - (2) Which type of horns found in rhinoceros.
 - (3) Which integumentary gland secretes tears.
 - (4) How many chambers are there in heart of mammals.
- Que.5(B) WRITE ANY ONE OUT OF TWO. (03)
- (1) Write a note on nails and claws.
 - (2) What is Estrus cycle ? Describe Proestrus stage of it.
- Que.5(C) WRITE ANY ONE OUT OF TWO. (07)
- (1) Describe Menstrual cycle.
 - (2) Compare the heart of Pisces and Aves.
