

B.Sc. Semester - 2 (CBCS) Examination
July-2025 (OLD 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 commonly known as.....
 - (2) Pteromyzon belongs to class
 - (3) Epidermal scales and pentadactylus claws are the peculiar character of class.....
 - (4) Give any two characters of class Mammals.
- Que.1(B) WRITE ANY ONE OUT OF TWO. (02)**
- (1) Give any four characters of class Aves.
 - (2) Describe sperm and ovum of amphioxus.
- Que.1(C) WRITE ANY ONE OUT OF TWO. (03)**
- (1) Give general characters of class Amphibia with suitable examples.
 - (2) Write a short note on endostyle of Amphioxus.
- Que.1(D) WRITE ANY ONE OUT OF TWO. (05)**
- (1) Give the classification of super class Pisces up to class with suitable examples.
 - (2) Describe fertilization and blastulation of Amphioxus.
- Que.2(A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (04)**
- (1) Which blood group is generally known as universal donor?
 - (2) Give the genotype of Agouti in Rabbit Coat Colour.
 - (3) Give Possible genotype of blood group 'A'.
 - (4) Which type of Antigen found in Blood group 'B'.
- Que.2(B) WRITE ANY ONE OUT OF TWO. (02)**
- (1) Describe Rh factor.
 - (2) Write a note on Equus.
- Que.2(C) WRITE ANY ONE OUT OF TWO. (03)**
- (1) Describe: Lamarckism.
 - (2) Give the characters of multiple Alleles.
- Que.2(D) WRITE ANY ONE OUT OF TWO. (05)**
- (1) Describe: Coat colour in Rabbit.
 - (2) Describe: Blood group in humans.
- Que.3(A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (04)**
- (1) Lipase is responsible for the digestion of.....
 - (2) WBCs is also known as.....
 - (3) Finger like structure found in intestine is called.....
 - (4) Digested Food Absorbed in
- Que.3(B) WRITE ANY ONE OUT OF TWO. (02)**
- (1) Write a note on RBCs.
 - (2) Describe multiplication phase of oogenesis.
- Que.3(C) WRITE ANY ONE OUT OF TWO. (03)**
- (1) Write a Short Note on digestion of protein in stomach and Intestine.
 - (2) Write a Short Note on WBCs.
- Que.3(D) WRITE ANY ONE OUT OF TWO. (05)**
- (1) Describe : Spermatogenesis.
 - (2) Physiology of blood coagulation.

- Que.4(A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (04)**
- (1) Amoebic dysentery is Caused by.....
 - (2) Dracunculiasis is caused by.....
 - (3)is the Vector of Bubonic Plague..
 - (4) List out common aquarium fishes.
- Que.4(B) WRITE ANY ONE OUT OF TWO. (02)**
- (1) Diseases and Pathogenecity of Trypanosoma.
 - (2) Describe human louse as harmful insect.
- Que.4(C) WRITE ANY ONE OUT OF TWO. (03)**
- (1) Write a short note on waterer and feeder in Poultry farm.
 - (2) Describe Pathogenecity of Filarial worm.
- Que.4(D) WRITE ANY ONE OUT OF TWO. (05)**
- (1) Describe: Deep litter poultry farm.
 - (2) Describe: Fresh water Aquarium.
- Que.5(A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (04)**
- (1) Hoofs are the peculiar character of the
 - (2) There are chambers of heart of mammals.
 - (3) What is the average length of the menstrual cycle in female?
 - (4) Uropygial gland found in.....
- Que.5(B) WRITE ANY ONE OUT OF TWO. (02)**
- (1) Describe Nails.
 - (2) Sketch and label: Heart of Pisces.
- Que.5(C) WRITE ANY ONE OUT OF TWO. (03)**
- (1) Describe: Estrus phase of estrus cycle.
 - (2) Describe: Poisonous gland and sweat gland.
- Que.5(D) WRITE ANY ONE OUT OF TWO. (05)**
- (1) Describe: Heart of Reptiles.
 - (2) Describe: Menstrual cycle
