

B.Sc. Semester - 2 (CBCS) Examination
March/April - 2023 (OLD COURSE)
ZOOLOGY (CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

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

-
- Q.1(A) Answer the following questions. (04)**
1. Which type of scales found in chondrichthyes.
 2. Presence of pentadactyle claws and epidermal scales are the characteristic of class
 3. Amphioxus is also known as.....
 4. Which type of egg found in amphioxus?
- Q.1(B) Answer the following question. (Any One) (02)**
1. Give the classification of salamander up to class.
 2. Write a short note on sperm of amphioxus.
- Q.1(C) Answer the following question. (Any One) (03)**
1. Give the classification of class reptile with suitable examples.
 2. Describe blastula stage of amphioxus.
- Q.1(D) Answer the following question. (Any One) (05)**
1. Give the classification of super class pisces up to class with suitable examples.
 2. Describe T.S. passing through pharynx in Amphioxus.
- Q.2(A) Answer the following questions. (04)**
1. Give the genotype of Himalayan coat colour of rabbit.
 2. Give the possible allele in genotype of blood group AB.
 3. Which type of antigen present in blood group A?
 4. Modern race horse is known as.....
- Q.2(B) Answer the following question. (Any One) (02)**
1. Write a short note on Rh factor.
 2. Write a short note on parahippus.
- Q.2(C) Answer the following question. (Any One) (03)**
1. Give the characteristic of multiple alleles.
 2. Write a short note on A and B blood group in humans.
- Q.2(D) Answer the following question. (Any One) (05)**
1. Describe coat colour in rabbit.
 2. Describe Lamarkism.
- Q.3(A) Answer the following questions. (04)**
1. Digested food absorbed in
 2. produce bile.
 3. is the smallest unit of protein, which is absorbed by intestine.
 4. Few cells provide nourishment to the cells forming the sperms are called as.....

- Q.3(B) Answer the following question. (Any One) (02)**
1. Write a short note on RBCS.
2. Sketch and label : structure of human sperm.
- Q.3(C) Answer the following question. (Any One) (03)**
1. Write a short note on Agranulocyte.
2. Write a short note on digestion of protein in stomach.
- Q.3(D) Answer the following question. (Any One) (05)**
1. Describe physiology of co-agulation of blood.
2. Describe oogenesis in detail.
- Q.4(A) Answer the following questions. (04)**
1. Which animal is the vector of the bubonic plague?
2. Wuchereria bancrofti is commonly known as.....
3. Which disease is caused by entamoeba histolytica?
4. List out any three popular Aquarium fishes.
- Q.4(B) Answer the following question. (Any One) (02)**
1. Write a short note on bed bug.
2. Write a short note on waterer in poultry farm.
- Q.4(C) Answer the following question. (Any One) (03)**
1. Write a short note on battery brooder.
2. Describe pathogenic effect of Ascaris lumbricoides.
- Q.4(D) Answer the following question. (Any One) (05)**
1. Describe deep litter poultry farm.
2. Describe Fresh water aquarium in detail.
- Q.5(A) Answer the following questions. (04)**
1. Which hormones produced by corpus leuteum in metaestrus phase?
2. Sweat glands are also known as.....
3. Which type of horns found in goat and sheep?
4. Pisces have chambered heart.
- Q.5(B) Answer the following question. (Any One) (02)**
1. Write a short note on poisonous gland.
2. Write a short note on claws.
- Q.5(C) Answer the following question. (Any One) (03)**
1. Write a short note on proestrus phase.
2. Sketch and label heart of reptile.
- Q.5(D) Answer the following question. (Any One) (05)**
1. Give the general account of heart in fishes and aves.
2. Describe menstrual cycle in detail.
