

BSC2ZooC201x
B.Sc. Semester - 2 (CBCS) Examination
March/April – 2023 (New Course)
ZOOLOGY (CORE)

Seat No : _____

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 osteichthyes ?
2. Absence of exoskeleton is the peculiar character of class.....
3. Give any two examples of class Aves.
4. Kangaroo and Rat belongs to which class.....

Q.1(B) Answer the following question. (Any One) (03)

1. Give the classification of class Reptiles with suitable examples.
2. Write a short note on Sperm and ova of amphioxus.

Q.1(C) Answer the following question. (Any One) (07)

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 Agouti in coat color of rabbit.
2. Give the possible allele in genotype of blood group A.
3. Which type of antibody present in blood group B?
4. Modern race horse is known as.....

Q.2(B) Answer the following question. (Any One) (03)

1. Write a short note on blood group in humans.
2. Write a short note on Mesohippus.

Q.2(C) Answer the following question. (Any One) (07)

1. Describe coat color in rabbit.
2. Describe lamarckism theory in detail.

Q.3(A) Answer the following questions. (04)

1. is the smallest unit of protein, which is absorbed by intestine.
2. is an anti-co-agulant found in human blood plasma.
3. Bile store in
4. Few cells provide nourishment to the cells forming the sperms are called as.....

- Q.3(B) Answer the following question. (Any One) (03)**
1. Write a short note on granulocyte.
 2. Write a short note on digestion in stomach.
- Q.3(C) Answer the following question. (Any One) (07)**
1. Describe physiology of co-agulation of blood.
 2. Describe oogenesis in detail.
- Q.4(A) Answer the following questions. (04)**
1. Intestinal amoebiasis is caused by.....
 2. *Ascaris lumbricoides* is commonly known as.....
 3. The rat flea is the vector of disease.
 4. List out popular Aquarium fishes.
- Q.4(B) Answer the following question. (Any One) (03)**
1. Write a short note on bed bug.
 2. Write a short note on battery brooder.
- Q.4(C) Answer the following question. (Any One) (07)**
1. Describe deep litter poultry farm.
 2. Describe Structure, character and pathogenic effect of *Dracunculus medinensis*.
- Q.5(A) Answer the following questions. (04)**
1. Which hormones produced by corpus leuteum in metaestrus phase?
 2. Which gland generally found in birds?
 3. Hoofs are the characteristic feature of the.....
 4. Amphibia have chambered heart.
- Q.5(B) Answer the following question. (Any One) (03)**
1. Write a short note on femoral gland.
 2. Write a short note on claws and nails.
- Q.5(C) Answer the following question. (Any One) (07)**
1. Describe phases of menstrual cycle.
 2. Give the general account of heart in reptile and aves.
