

B.Sc. Semester - 2 (CBCS) Examination
March/April – 2024 (As Per Syllabus Year-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) Answer the following questions. (04)
- (1) Lamprey belongs to class.....
 - (2) Presence of pentadactyle claws and epidermal scales are the characteristic of class
 - (3) Give any two examples of class Aves.
 - (4) Scientific name of Amphioxus is
- Que.1(B) Answer the following questions. (Any one out of two) (03)
- (1) Give the classification of class Amphibia with suitable examples.
 - (2) Write a short note on blastula in amphioxus.
- Que.1(C) Answer the following questions. (Any one out of two) (07)
- (1) Give the classification of super class pisces up to class with suitable examples.
 - (2) Describe digestive system of amphioxus.
- Que.2(A) Answer the following questions. (04)
- (1) Give the genotype of light grey in coat color of rabbit.
 - (2) Give the possible allele in genotype of blood group B.
 - (3) Which type of antibody present in blood group A?
 - (4) Neo-darwinism theory is also known as
- Que.2(B) Answer the following questions. (Any one out of two) (03)
- (1) Write a short note on blood group in humans.
 - (2) Write a short note on merychippus.
- Que.2(C) Answer the following questions. (Any one out of two) (07)
- (1) Describe coat color in rabbit.
 - (2) Describe darwin's theory of natural selection.
- Que.3(A) Answer the following questions. (04)
- (1) Digested food absorbed in
 - (2) Which enzyme is responsible for the digestion of protein in stomach?
 - (3) Which type of anti-coagulant found in human blood?
 - (4) How many polar body found after the maturation phase of oogenesis?

- Que.3(B) Answer the following questions. (Any one out of two) (03)
- (1) Write a short note on RBCs.
 - (2) Write a short note on digestion in stomach.
- Que.3(C) Answer the following questions. (Any one out of two) (07)
- (1) Describe physiology of co-agulation of blood.
 - (2) Describe spermatogenesis in detail.
- Que.4(A) Answer the following questions. (04)
- (1) Sleeping sickness is caused by.....
 - (2) Enterobius vermicularis is commonly known as.....
 - (3) is the vector of the bubonic plague.
 - (4) List out popular Aquarium fishes.
- Que.4(B) Answer the following questions. (Any one out of two) (03)
- (1) Write a short note on human louse.
 - (2) Write a short note on feeder in poultry house.
- Que.4(C) Answer the following questions. (Any one out of two) (07)
- (1) Describe deep litter poultry farm.
 - (2) Describe Structure, character and pathogenic effect of filarial worm.
- Que.5(A) Answer the following questions. (04)
- (1) In metaestrus phase the corpus leuteum produces the hormone.....
 - (2) Femoral gland found in.....
 - (3) Pulmonary aorta arises from.....
 - (4) Aves & Mammals have chambered heart.
- Que.5(B) Answer the following questions. (Any one out of two) (03)
- (1) Write a short note on sweat gland.
 - (2) Write short note on nails and hoofs.
- Que.5(C) Answer the following questions. (Any one out of two) (07)
- (1) Give the general account of heart in fishes and reptile.
 - (2) Describe phases of menstrual cycle.
