

B.Sc. Semester - 2 (CBCS) Examination
June/July-2022 [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) Lamprey belongs to class.....
- (2) Torpedo belongs to super class And class
- (3) Epidermal scales and pentadactylus claws are the peculiar character of class.....
- (4) Give any three characters of class Aves.

QUE-1 (B) WRITE ANY ONE OUT OF TWO. [02]

- (1) Give the classification of Salamander up to class with characters.
- (2) Give the classification of kangaroo up to class with suitable characters.

QUE-1 (C) WRITE ANY ONE OUT OF TWO. [03]

- (1) Give the characters of class mammals with suitable examples.
- (2) Write a short note on T.S. of passing through pharynx region 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) Blastulation and Gastrulation stage 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 light grey colour in Rabbit.
- (3) Give the genotype of blood group 'A'.
- (4) Crosses between Agouti and chinchilla will be produced individual in F1 and F2.
Give the ratio of it.

QUE-2 (B) WRITE ANY ONE OUT OF TWO. [02]

- (1) Give Incompleteness of Fossil record.
- (2) Give characters of multiple Alleles.

QUE-2 (C) WRITE ANY ONE OUT OF TWO. [03]

- (1) Describe: Lamarkism
- (2) Describe: Blood group in humans.

QUE-2 (D) WRITE ANY ONE OUT OF TWO. [05]

- (1) Coat colour in Rabbit.
- (2) Describe: Phylogeny of Horse.

QUE-3 (A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. [04]

- (1) What is spermatogenesis?
- (2) Maximum Absorption occurs in which part of digestive system?
- (3) List out the types of WBCs.
- (4) Which enzymes are responsible for the digestion of protein in stomach and intestine?

QUE-3 (B) WRITE ANY ONE OUT OF TWO. [02]

(1) Describe: Spermatogenesis

(2) Give the functions of RBCs.

QUE-3 (C) WRITE ANY ONE OUT OF TWO. [03]

(1) Describe: Oogenesis

(2) Describe: Types of WBCs.

QUE-3 (D) WRITE ANY ONE OUT OF TWO. [05]

(1) Digestion and absorption of carbohydrates in alimentary canal.

(2) Physiology of blood coagulations.

QUE-4 (A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. [04]

(1) Entamoeba causes..... Disease.

(2) Sleeping Sickness is caused by.....

(3) Scientific name of filaria worm is

(4)is the Vector of Bubonic Plague.

QUE-4 (B) WRITE ANY ONE OUT OF TWO. [02]

(1) Describe: Pathogenic effect of “pin worm”.

(2) Describe bed bug as harmful insect.

QUE-4 (C) WRITE ANY ONE OUT OF TWO. [03]

(1) Types of Brooders.

(2) Flea as a harmful insect.

QUE-4 (D) WRITE ANY ONE OUT OF TWO. [05]

(1) Describe: Deep litter poultry farm.

(2) Describe: General characters, life cycle and pathogenic effects of “Guinea worm”.

QUE-5 (A) GIVE THE ANSWER OF FOLLOWING QUESTIONS. [04]

(1) Hoofs are the peculiar character of the

(2) How many chambers are there in Aves heart?

(3) In which phase of menstrual cycle, level of both FSH and LH is higher?

(4) Uropygial gland is found in

QUE-5 (B) WRITE ANY ONE OUT OF TWO. [02]

(1) Write a short note on – Nails and Hoofs.

(2) Describe: Proestrus stage.

QUE-5 (C) WRITE ANY ONE OUT OF TWO. [03]

(1) Describe: Poison gland and Femoral gland

(2) Describe: Horns in mammals.

QUE-5 (D) WRITE ANY ONE OUT OF TWO. [05]

(1) Write a short note on – Heart of mammals.

(2) Describe: Menstrual cycle
