

B.Sc. Semester - 6 (CBCS) Examination**April/May-2022 (OLD COURSE)****FUNC ANATOMY OF CHORDATES AND COMPA. STUDY(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. (Any one out of two)** (07)
1. Classify class Reptile up to order with suitable examples.
 2. Classify class Aves up to order with suitable examples.
- Q.1(B) **Answer the following questions. (Any one out of two)** (04)
1. Classify super class Pisces up to class with suitable examples.
 2. Classify class mammals up to infra class with suitable examples.
- Q.1(C) **Answer the following questions. (Any three out of five)** (03)
1. Give any two examples of the class cyclostomata.
 2. Which types of scales found in Bony fishes?
 3. Give any two specific characters of class Amphibia.
 4. Archeopteryx is the connecting link between class.....and.....
 5. Give any one example of egg laying mammals.
- Q.2(A) **Answer the following questions. (Any one out of two)** (07)
1. Describe Venous system of Rat with suitable diagram.
 2. Describe Arterial system of Pigeon with suitable diagram.
- Q.2(B) **Answer the following questions. (Any one out of two)** (04)
1. Draw neat and labeled diagram – Arterial system of Rat.
 2. Draw neat and labeled diagram – Digestive system of pigeon.
- Q.2(C) **Answer the following questions. (Any three out of five)** (03)
1. Give the scientific name of pigeon.....
 2. Which artery carries blood to gizzard and liver in pigeon?
 3. How many ovaries present in embryonic stage in pigeon?
 4. Which artery carries blood to rectum in Rat?
 5. How many chambers are there in heart in Rat?
- Q.3(A) **Answer the following questions. (Any one out of two)** (07)
1. Describe structure, type and functions of air bladder in fishes.
 2. Give a general account of parental care in amphibia.
- Q.3(B) **Answer the following questions. (Any one out of two)** (04)
1. Write a short note: Caudal fin in fishes.
 2. Write a short note on dipnoi.

- Q.3(C) **Answer the following questions. (Any three out of five)** (03)
1. When air bladder is not attached to oesophagus through pneumatic duct, this type of air bladder is known as.....
 2. Which type of caudal fin found in bony fishes?
 3. Axolotal larva is the best example of.....
 4. In..... fish the female transfers eggs into a Brood pouch on the belly of male for hatching.
 5. Alytes carries eggs on his.....
- Q.4(A) **Answer the following questions. (Any one out of two)** (07)
1. Give a general account of marsupials.
 2. Give a general account of Sphenodon.
- Q.4(B) **Answer the following questions. (Any one out of two)** (04)
1. Write a short note on beaks in birds.
 2. Write a short note on Anapsid skull.
- Q.4(C) **Answer the following questions. (Any three out of five)** (03)
1. Which type of beak found in Crow?
 2. Which type of feet found in duck?
 3. Which type of skull found in turtle?
 4. Whales and Dolphins are the best examples of order.....
 5. In mammals Presence of brood pouch in abdominal region is a typical character of.....
- Q.5(A) **Answer the following questions. (Any one out of two)** (07)
1. Give a comparative account of intestine in vertebrates.
 2. Give a general account of dentition in vertebrates.
- Q.5(B) **Answer the following questions. (Any one out of two)** (04)
1. Describe mesonephros kidney in vertebrates.
 2. Draw neat and labeled diagram: brain of reptiles.
- Q.5 (C) **Answer the following questions. (Any three out of five)** (03)
1. List out the part of hind brain.
 2. Cavity of olfactory lobe is known as.....
 3. Archinephros is found in
 4. In ruminating mammals, gastric glands are present inpart of stomach.
 5. Give dental formula of Pig.
