

B.Sc. Semester - 6 (CBCS) Examination**Oct/Nov -2020****FUNC ANATOMY OF CHORDATES AND COMPA. STUDY (CORE)****Time: 2:00 Hours****Marks: 56****Instructions:**

1. Figures to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any four of the following questions.
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Q. 1 (A) Answer the following questions. (Any one out of two) 07

1. Classify class Aves up to order and give classification of Eagle.
2. Classify class Amphibia up to order and give classification of Alytes.

Q. 1 (B) Answer the following questions. (Any one out of two) 04

1. Classify class Reptile up to sub class with peculiar characters and suitable examples.
2. Classify super class Pisces up to class with special features and suitable examples.

Q. 1 (C) Answer the following questions. (Any three out of five) 03

1. Pyrosoma belongs to classand order.....
2. Is the best example of class cyclostomata.
3. Absence of exoskeleton is the peculiar character of class
4. Hemidactylus belongs to sub class
5. is the connecting link between class Reptiles and Mammals.

Q. 2 (A) Answer the following questions. (Any one out of two) 07

1. Describe urinogenital system of the common rock pigeon (male and female both).
2. Describe venous system of rat.

Q. 2 (B) Answer the following questions. (Any one out of two) 04

1. Draw neatly labeled diagram of Digestive system of Columba livia.
2. Draw neatly labeled diagram - Arterial system of Rat.

Q. 2 (C) Answer the following questions. (Any three out of five) 03

1. Give the function of crop.
2. The common jugular veins of the sides are connected together beneath the base of the skull by a transverse loop, called.....
3. In Rat, which veins collect blood from anterior body parts?
4. In Rat, Which artery supplies blood to rectum?
5. List out accessory glands found in uterus of Rat.

Q. 3 (A) Answer the following questions. (Any one out of two) 07

1. Describe in detail general organization and affinities of Dipnoi.
2. Describe air bladder in fishes in detail.

Q. 3 (B) Answer the following questions. (Any one out of two) **04**

1. Write a short note on parental care in fishes.
2. Write a short note: Caudal fin in fishes.

Q. 3 (C) Answer the following questions. (Any three out of five) **03**

1. Eggs are protected in frothy mass of mucus by
2. type of caudal fin found in chondrichthyes?
3. Which order of class Amphibia shown the phenomenon of Neotony?
4. Define- Aestivation.
5. In fishes, when air bladder is attached to pharynx through pneumatic duct, this type of air bladder is known as

Q. 4 (A) Answer the following questions. (Any one out of two) **07**

1. Give the general account of egg laying mammals.
2. Give a general account of marsupials.

Q. 4 (B) Answer the following questions. (Any one out of two) **04**

1. Write a short note on sphenodon.
2. Describe different feathers in birds.

Q. 4 (C) Answer the following questions. (Any three out of five) **03**

1. Which type of beak found in Jacana?
2. Raptorial feet found in
3. Which bird holds the world record with the longest nonstop flight?
4. Give the suborders of order carnivora.
5. Which type of skull found in testudo and Crocodile?

Q. 5 (A) Answer the following questions. (Any one out of two) **07**

1. Give comparative account of kidney in vertebrates.
2. Give the general account of Dentition in mammals and give the dental formula of Goat.

Q. 5 (B) Answer the following questions. (Any one out of two) **04**

1. Give a comparative account of oesophagus and stomach in vertebrates.
2. Write a short note on origin and evolution of brain in vertebrates.

Q. 5 (C) Answer the following questions. (Any three out of five) **03**

1. Typical dental formula is
2. Epithelial lining in a true stomach contains.....
3. With the disappearance of pronephros the old pronephric duct becomes.....
4. List out the parts of mid brain and hind brain.
5. In vertebrates, the teeth of first set are called
