

B.Sc. Semester - 6 (CBCS) Examination**March/April-2023 (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.
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Q.1(A) Answer the following question. (Any One) (07)

1. Classify super class pisces up to class with suitable examples.
2. Classify class amphibia upto order with suitable examples.

Q.1(B) Answer the following questions. (Any One) (04)

1. Classify class Reptiles up to order.
2. Classify class Mammals up to order.

Q.1(C) Answer the following questions. (Any Three) (03)

1. Give any two examples of class chondrichthyes.
2. Ambystoma belongs to order.....
3. Give any two examples of poisonous snakes.
4. Ostrich belongs to group.....
5. Mammary gland present in class.....

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

1. Describe digestive system of pigeon.
2. Describe arterial system of rat.

Q.2(B) Answer the following questions. (Any One) (04)

1. Sketch and label: Arterial system of pigeon.
2. Sketch and label: Venous system of rat.

Q.2(C) Answer the following questions. (Any Three) (03)

1. Scientific name of pigeon is
2. Pigeon's milk is manufactured in.....
3. In pigeon which artery Carries blood to rectum and cloacal region ?
4. Which artery carries blood to forelimbs in rat?
5. Scientific name of rat is.....

Q.3(A) Answer the following question. (Any One) (07)

1. Describe structure, types and function of airbladder in pisces.
2. Describe different type of caudal fins in fishes.

Q.3(B) Answer the following questions. (Any One) (04)

1. Write a shortnote on neotony.
2. Describe parental care in amphibia with any two examples.

- Q.3(C) Answer the following questions. (Any Three) (03)**
1. Which type of caudal fin found in osteichthyes?
 2. List out the name of Dipnoi.
 3. How many airbladder found in neoceratodus ?
 4.is the best example of neotony.
 5. guards their eggs by coiling around them.
- Q.4(A) Answer the following question. (Any One) (07)**
1. Give a general account of diapsid and anapsid skull in reptiles
 2. Give a general account and affinity of monotremata.
- Q.4(B) Answer the following questions. (Any One) (04)**
1. Write a short note on feathers in birds.
 2. Write a short note on chiroptera.
- Q.4(C) Answer the following questions. (Any Three) (03)**
1. Platypus is the connective link between reptiles and
 2. Give any two examples of marsupials.
 3. Give any two examples of cetacean mammals.
 4. Which type of feet found in sparrow?
 5. Which type of beak found in pelican?
- Q.5(A) Answer the following question. (Any One) (07)**
1. Give a comparative account of brain of pisces and reptiles.
 2. Give a general account of pronephrous and metanephrous kidney in vertebrate.
- Q.5(B) Answer the following questions. (Any One) (04)**
1. Sketch and label: brain of pisces.
 2. Give a comparative account of intestine in amphibia and aves.
- Q.5(C) Answer the following questions. (Any Three) (03)**
1. Cavity of olfactory lobes is known as.....
 2. Which type of kidney found in aves?
 3. The first part of the stomach next to oesophagus is known as
 4. When all the teeth are similar in shape and size are known as.....
 5. Dental formula of pig is.....
