

B.Sc. Semester - 6 (CBCS) Examination**May/June-2021 (OLD COURSE)****FUNC ANATOMY OF CHORDATES AND COMPA. STUDY(CORE)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figure to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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- Q.1(A) Answer The Following Questions. (Any One Out of Two) (07)**
1. Classify class Amphibia up to order with suitable examples.
 2. Classify class mammals up to infraclass with suitable examples.
- Q.1(B) Answer The Following Questions. (Any One Out of Two) (04)**
1. Classify class Aves up to order with suitable examples.
 2. Classify class Reptiles up to order with suitable examples.
- Q.1(C) Answer The Following Questions. (Any Three Out of Five) (03)**
1. Salpa belongs to classand order.....
 2. Give any one example of class cyclostomata.
 3. Alytes belongs to class..... and order.....
 4. Give any two examples of poisonous snakes.
 5. Platypus is the connecting link between class..... and
- Q.2(A) Answer The Following Questions. (Any One Out of Two) (07)**
1. Describe Arterial system of the common rock pigeon.
 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 brain 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. Proventriculus and ventriculus are the parts of which digestive organ of pigeon?
 2. In pigeon, which artery supplies blood to gizzard, duodenum, liver and spleen?
 3. In Rat, which vein collects blood from posterior body parts?
 4. In Rat, Which artery supplies blood to forelimbs?
 5. The scientific name of Rat is.....
- Q.3(A) Answer The Following Questions. (Any One Out of Two) (07)**
1. Describe different type of Caudal fin in fishes.
 2. Describe structure and functions of 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 Neotony.
 2. Write a short note on Dipnoi.
- Q.3(C) Answer The Following Questions. (Any Three Out of Five) (03)**
1. List out the examples of dipnoi.
 2. type of caudal fin found in osteichthyes?
 3. The best example of neotony is
 4. Define- Hibernation
 5. Define: physostomous air bladder.

- Q.4(A) **Answer The Following Questions. (Any One Out of Two)** (07)
1. Give the general account of egg laying mammals.
 2. Give the general account of temporal fossae in reptiles.
- Q.4(B) **Answer The Following Questions. (Any One Out of Two)** (04)
1. Write a short note on claws of birds.
 2. Write a short note on sphenodon.
- Q.4(C) **Answer The Following Questions. (Any Three Out of Five)** (03)
1. Which type of beak found in sparrow?
 2. Wading feet found in
 3. Which type of skull found in turtle?
 4. Bats are included in order.....
 5. Toothed whales and whale bone whales included in order.....
- Q.5(A) **Answer The Following Questions. (Any One Out of Two)** (07)
1. Give the general account of Dentition in mammals.
 2. Give a comparative account of stomach and intestine in vertebrates.
- Q.5(B) **Answer The Following Questions. (Any One Out of Two)** (04)
1. Write a short note on mesonephric kidney.
 2. Draw neatly labeled diagram- Brain of Fish and Reptile.
- Q.5(C) **Answer The Following Questions. (Any Three Out of Five)** (03)
1. Which type of kidney found in birds?
 2. The sac like muscular enlargement of digestive tract between oesophagus and intestine is called.....
 3. The cavity of diencephalon is called as.....
 4. Dental formula of dog is.....
 5. Canines are absent in herbivores and leave a wide toothless space called.....
