

B.Sc. Semester - 5 (Remedial) (CBCS) Examination**March/April-2022 (NEW COURSE)****Functional Anatomy of Chordates, Systematic, Forms & Functions and Comparative Anatomy(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) **Answer the following question. (Any One Out of Two)** (07)
1. Classify class amphibia up to order.
 2. Classify super class pisces up to class with suitable examples.
- Que-1 (B) **Answer the following question. (Any One Out of Two)** (04)
1. Classify class aves up to order.
 2. Classify class reptilia up to order with suitable examples
- Que-1 (C) **Answer the following question. (Any Three Out of Five)** (03)
1. Give any two examples of chondrichthyes.
 2. Proteus belongs to which class.
 3. Give any two examples of non poisonous snakes.
 4. Give any two examples of group ratitae.
 5. Give any two examples of marsupials.
- Que-2 (A) **Answer the following question. (Any One Out of Two)** (07)
1. Describe Male urinogenital system of scoliodon.
 2. Describe digestive system of pigeon.
- Que-2 (B) **Answer the following question. (Any One Out of Two)** (04)
1. Sketch and label: Arterial system of pigeon.
 2. Sketch and label: Digestive system of scoliodon.
- Que-2 (C) **Answer the following question. (Any Three Out of Five)** (03)
1. Name of Ist cranial nerve of scoliodon is _____
 2. Which type of caudal fin found in scoliodon?
 3. Which type of scales are found in scoliodon?
 4. Pigeon's milk is manufactured in _____.
 5. Comb like structure found in the pigeon eye is called as _____
- Que-3 (A) **Answer the following question. (Any One Out of Two)** (07)
1. Give a general account of dipnoi.
 2. Describe different types of caudal fin in fishes.
- Que-3 (B) **Answer the following question. (Any One Out of Two)** (04)
1. Describe structure and types of airbladder in pisces
 2. Describe parental care behaviour in amphibian with any two examples.
- Que-3 (C) **Answer the following question. (Any Three Out of Five)** (03)
1. Which type of caudal fin is found in bony fishes?
 2. How many airbladder found in neoceratodus?
 3. Which artery carries blood to air bladder in fishes?
 4. Which type of parental care found in Ichthyophis.
 5. Axolotal larva is the best example of _____.
- Que-4 (A) **Answer the following question. (Any One Out of Two)** (07)
1. Describe different types of beaks in aves with suitable examples.
 2. Give a general account of dentition in mammals.

- Que-4 (B) **Answer the following question. (Any One Out of Two)** (04)
1. Write a short note on Diapsid skull in reptiles.
 2. Describe different types of Claws in aves with suitable examples
- Que-4 (C) **Answer the following question. (Any Three Out of Five)** (03)
1. Platypus is the connective link between reptiles and _____
 2. Give any two examples of order cetacea.
 3. Which type of claws found in sparrow?
 4. Which type of beak found in crow?
 5. Dentition of dog is.....
- Que-5 (A) **Answer the following question. (Any One Out of Two)** (07)
1. Give a comparative account of brain in pisces and aves.
 2. Give a comparative account of stomach in vertebrates.
- Que-5 (B) **Answer the following question. (Any One Out of Two)** (04)
1. Sketch and label: Brain of Amphibia
 2. Write a short note on mesonephric kidney in vertebrate.
- Que-5 (C) **Answer the following question. (Any Three Out of Five)** (03)
1. Cavity of olfactory sacs is known as_____
 2. List out any two parts of fore brain.
 3. Metanephros is formed from the_____.
 4. Holonephros is also known as _____.
 5. Cavity of optic lobe is known as_____.
