

A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE

(AUTONOMOUS) (Grant-in-Aid)

Affiliated to Sardar Patel University

VALLABH VIDYANAGAR-388120



Bachelor of Science (Semester 2) External Examination - 2025

Subject Code: USO2MAZOO01

Subject Name: ANIMAL DIVERSITY AND PHYSIOLOGY-2

Date: 08/04/2025 (Tuesday)

Time: 02:00 PM to 04:30 PM (2.5 hrs.)

Total Marks :50

- NOTE:** 1. Figure to the right indicates full marks of the questions.
2. Give your answers with necessary diagrams.

Q. 1. MCQ

(10)

1. What is a defining characteristic of the class Cephalochordata?

- a) They have a notochord that extends throughout the length of the body
- b) They have a distinct head with specialized sensory organs
- c) They have a body that is covered by a tunic
- d) They are primarily marine filter feeders with no notochord

2. What is the primary habitat of Scoliodon sharks?

- a) Freshwater rivers
- b) Deep ocean trenches
- c) Coastal marine waters
- d) High-altitude lakes

3. Which of the following is an example of a fish species that migrates from saltwater to freshwater for spawning?

- a) Salmon
- b) Tuna
- c) Goldfish
- d) Catfish

4. What type of symmetry do higher vertebrates have?

- a) Radial symmetry
- b) Bilateral symmetry
- c) Asymmetry
- d) Spherical symmetry

5. Which period is often referred to as the "Age of Dinosaurs"?

- a) Paleozoic
- b) Mesozoic
- c) Cenozoic
- d) Proterozoic

6. Which of the following amphibians exhibits neoteny?

- a) Common frog
- b) Axolotl
- c) Salamander
- d) Toad

7. Which of the following is NOT a reason for bird migration?

- a) Avoidance of extreme temperatures
- b) Availability of food
- c) Avoidance of predators
- d) Territory expansion

PTO.....



8. Which of the following birds is flightless?

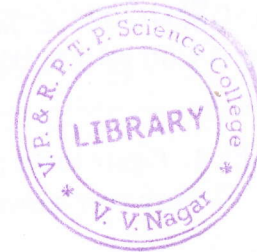
- a) Kiwi b) Emu c) Ostrich d) All above

9. What is the primary risk of blood transfusion?

- a) Allergic reactions b) Infection transmission
c) Blood type incompatibility d) All of the above

10. What is the cause of pernicious anemia?

- a) Vitamin B12 deficiency b) Iron deficiency
c) Folate deficiency d) Blood loss



Q. 2. Describe

- (A) Parental care in fishes by nest
(B) Migration in Eel

(05)

(05)

OR

Q. 2. Describe Digestive system of Scoliodon

(10)

Q. 3. Describe

- (A) Neoteny
(B) Economic importance of Amphibians.

(05)

(05)

OR

Q. 3. Describe Parental care in amphibians.

(10)

Q. 4. Describe Female reproductive system of Pigeon.

(10)

OR

Q. 4. Describe

- (A) Types of bird's migration
(B) Types of beaks in birds (any five)

(05)

(05)

Q. 5. Describe

- (A) Types of WBC
(B) Types of Anemia

(05)

(05)

OR

Q. 5. Describe ABO and Rh blood group system.

(10)

