

SCIENCE CLASS TEST

Date: 18.6.26

F.M-10

- **Objective questions - (4 marks)**

1.Assertion (A): A cockroach has a hard, outer cover called an exoskeleton to protect its body.

Reason (R): Insects like cockroaches are vertebrates with strong bony skeletons inside their bodies.

A. Both A and R are true, and R is the correct explanation of A.

B. Both A and R are true, but R is not the correct explanation of A.

C. A is true, but R is false.

D. A is false, but R is true.

2.Assertion (A): An adult frog can breathe underwater only because it possesses a well-developed pair of gills like a fish.

Reason (R): Adult frogs use their moist skin for absorbing dissolved oxygen while submerged in water.

A. Both A and R are true, and R is the correct explanation of A.

B. Both A and R are true, but R is not the correct explanation of A.

C. A is true, but R is false.

D. A is false, but R is true.

3.Observe the given image.



Based on your observation which of the following statements is **correct** about the given image.

A. It is a fish because it lives in water and can swim.

B. It is an invertebrate because it lacks a backbone or skeleton.

C. It is a terrestrial animal that has temporarily adapted to water.

D. It is a plant because it lacks a visible head and eyes.

4.A farmer notices that when a specific animal species enters his crop field, the populations of both the leaf-eating caterpillars and the ripe tomato fruits drop drastically. Based on this indirect evidence, how should this animal species be classified?

- A. Carnivore
- B. Herbivore
- C. Omnivore
- D. Producer

Subjective questions - (6 marks)

5. While exploring a nature trail, Rohan and Priya find two different animal homes.

- **Home A** is a bird's nest on a tree branch containing three smooth, hard-shelled objects.
- **Home B** is a underground burrow where a mother rabbit is nursing her fur-covered babies.

Based on their observations, how should Rohan and Priya classify the animals living in Home A and Home B? (2 marks)

6. An animal rescue team finds an unknown, injured mammal deep in a wilderness area. Before they can treat it safely, they need to understand its natural environment. The wildlife biologist on the team notes the following physical traits in her logbook:

- **Observation 1:** The animal has an extremely thick layer of fat just beneath its skin, and its body is covered in very dense fur.
 - **Observation 2:** It has wide, flat feet with thick pads on the bottom and sharp, curved claws.
- a) In which type of habitat does this animal naturally live? (1)
- b) How does the flat, padded wide feet assist the animal when it moves through its specific environment? (1)

7. An animal hospital takes X-ray images of two different patients brought in from a local forest: a garden snail and a snake. The veterinary assistant is confused because the X-ray film for one of the animals comes out completely blank.

- (a) Which animal's X-ray came out blank? (1)
- (b) Mention the scientific reason behind this based on their classification. (1)

