



NSEB 11th 2026

DPP-13

Structural Organization in Animals

1. Which of the following statements are correct about frogs?

- Frogs belong to phylum Arthropoda.
- Frogs of India commonly belong to *Rana tigrina*.
- Frogs can survive both in terrestrial and freshwater habitats.
- Frogs have constant body temperature.

(A) All are correct (B) 1 and 2 only
(C) 3 and 4 only (D) 2 and 3 only

2. Identify the **INCORRECT** statement based on frog adaptations:

- Frogs exhibit mimicry to escape predators
- Frogs are hermaphrodites
- Frogs can change colour on grass or dry land
- Frogs undergo aestivation and hibernation

3. Match the following terms with their features:

Column A		Column B	
A.	Poikilotherms	1.	Can change body colour
B.	Camouflage	2.	Mimicry
C.	Mimicry	3.	Variable body temperature
D.	Aestivation	4.	Summer sleep
E.	Hibernation.	5.	Winter sleep

- (A) A-2, B-1, C-3, D-5, E-4
(B) A-1, B-3, C-4, D-5, E-2
(C) A-3, B-1, C-2, D-4, E-5
(D) A-3, B-2, C-1, D-4, E-5

4. Choose the correct option from the following:

- Frog's dorsal side is usually green with irregular dark patches.
- Frog's ventral side is pale yellow and uniformly colored.
- Skin is smooth and rough for aquatic adaptation.
- Frog's skin secretes mucus to keep it moist.

- (A) All are correct
(B) 1, 3 and 4 are correct
(C) Only 2 is correct
(D) 1, 2 and 4 are correct

5. Which two statements, when combined, explain why frogs do not need to drink water?

- Frog skin is moist due to mucus.
 - Frog skin can absorb water.
 - Frogs have a urinary bladder that stores water.
 - Frogs drink water through their tongue.
- (A) 3 and 4 (B) 1 and 3
(C) 2 and 4 (D) 1 and 2

6. The external ear in frogs is represented by _____ which receives sound signals.

- (A) tympanum
(B) stapes
(C) pinna
(D) nictitating membrane

7. Which of the following statements are false regarding frog head morphology?

- A neck is present.
 - A tail is absent.
 - Eyes are bulged and covered by nictitating membrane.
 - Forelimbs help in reproduction.
- (A) Only 3
(B) 2 and 3 only
(C) 1 and 4 only
(D) Only 4

8. Which feature helps frogs protect their eyes underwater?

- (A) Tympanum
(B) Pupil dilation
(C) Eyelids
(D) Nictitating membrane



9. Identify the flaw in the following statement:
"Frogs regulate their internal body temperature through internal physiological processes."
(A) True for all amphibians
(B) Incorrect-frogs are cold-blooded and depend on the environment
(C) Correct only in summer
(D) True when they aestivate
10. Identify the correct statements about frog locomotion:

1. Hind limbs end in four digits and are larger than forelimbs.
 2. Forelimbs have five digits and aid in leaping.
 3. Hind limbs are muscular and end in five digits.
 4. Hind limbs assist in swimming and burrowing.
- (A) 2 and 3 (B) 1 and 4
(C) 3 and 4 (D) All are correct



Answer Key

1. (D)
2. (B)
3. (C)
4. (D)
5. (D)

6. (A)
7. (C)
8. (D)
9. (B)
10. (C)

