



NSEB 11th 2026

DPP-15

Structural Organization in Animals

1. **Assertion (A):** Male frogs are indistinguishable from females

Reason (R): both possess vocal sacs and a copulatory pad.

- (A) Both A and R are true; R is correct explanation
 (B) Both A and R are true; R is not correct explanation
 (C) A is true, R is false
 (D) A is false, R is false too

2. In male frogs, a ____ is present on the first digit of forelimbs, absent in females.

- (A) tympanum (B) copulatory pad
 (C) mucus gland (D) vocal sac

3. Match the following

| Column A | | Column B | |
|----------|-----------|----------|---------------------------|
| A. | Liver | 1. | Opens to cloaca |
| B. | Intestine | 2. | Secretes bile |
| C. | Rectum | 3. | Digestion and absorption |
| D. | Pancreas | 4. | Secretes pancreatic juice |

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

4. Chronological order of food passage in frog:

1. Mouth 2. Stomach
 3. Cloaca 4. Pharynx
 5. Oesophagus 6. Intestine
 7. Rectum

- (A) 1→2→4→5→6→3→7
 (B) 1→4→5→2→6→7→3
 (C) 1→5→4→2→6→7→3
 (D) 4→1→5→2→6→7→3

5. The alimentary canal in frogs is short because:

- (A) Frogs are herbivores and require more space

(B) Frogs do not have a stomach

(C) Frogs are carnivores, requiring less digestion time

(D) Frogs lack intestine

6. Which of the following structures is NOT part of frog's digestive system?

- (A) Gall bladder (B) Ureter
 (C) Stomach (D) Intestine

7. Which combination of organs are responsible for enzymatic and bile secretions?

- (A) Liver and kidney
 (B) Stomach and gall bladder
 (C) Liver and pancreas
 (D) Pancreas and urinary bladder

8. **Assertion (A):** Frogs can regulate digestion, excretion, and reproduction through one common structure.

Reason (R): The cloaca is a terminal structure shared by three organ systems.

- (A) Both A and R are true; R explains A
 (B) Both A and R are true; R does not explain A
 (C) A is true; R is false
 (D) A is false; R is true

9. Match the following digestive structures with their functions in frogs:

| Column A | | Column B | |
|----------|------------|----------|------------------------------------|
| A. | Duodenum | 1. | Secretes HCl and gastric juice |
| B. | Microvilli | 2. | Receives bile and pancreatic juice |
| C. | Cloaca | 3. | Expels undigested waste |
| D. | Stomach | 4. | Absorbs nutrients |

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



Answer Key

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

8. (A)
9. (D)
10. (B)
11. (C)
12. (B)
13. (D)

