

Yakeen NEET 2.0 2026

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Structural Organisation in Animals

DPP: 9

Q1 The circulatory system of *Rana tigrina* consists of:

- I. blood flows through a closed network of blood vessels.
- II. composed of heart, blood vessels, blood, lymph, lymph channels and lymph nodes.
- III. a triangular sinus venosus of heart receives deoxygenated blood first.
- IV. ventricle opens into conus arteriosus on the dorsal side of the heart.
- V. pleura.

True

False

- (A) I, II, III
(B) I, II, IV, V
(C) I, II, V
(D) I, II

- IV, V
III
III, IV
IV, III, V

Q2 Read the following statements and choose the **correct** option.

- i. Frog respires in water by skin (cutaneous respiration).
- ii. In frog lymphatic system consists of lymph, lymph channels and lymph nodes.
- iii. In frogs during aestivation and hibernation gaseous exchange takes place through lungs only.
- iv. Female frogs can be distinguished by the presence of sound producing vocal sacs.

- (A) i and ii correct only
(B) iii and iv correct only
(C) i and iii correct
(D) i, ii, iii, iv correct

Q3 Fully grown larva of frog respire through:

- (A) moist skin
(B) buccal cavity
(C) gills
(D) all of the above

Q4 One of the main functions of frog's skin is

- (A) diffusion of respiratory gases
(B) absorption of ultraviolet rays to produce vitamin-D
(C) storage of excess food in the form of subcutaneous fat
(D) excretion of nitrogenous waste in the form of uric acid

Q5 Which of these structures is not a part of excretory system in frogs?

- (A) Cloaca
(B) Ureter
(C) Urinary bladder
(D) Anus

Q6 Match **List-I** with **List-II**:

| List-I | | List-II | |
|--------|-----------|---------|-------------------|
| I. | Urea | A. | Respiration |
| II. | Closed | B. | Excretory product |
| III. | External | C. | Circulation |
| IV. | Cutaneous | D. | Fertilisation |



Choose the **correct** answer from the options given below:

- (A) I-C, II-B, III-A, IV-D
 (B) I-B, II-C, III-D, IV-A
 (C) I-D, II-A, III-C, IV-B
 (D) I-D, II-A, III-B, IV-C

Q7 Match the Column I and Column II.

| Column-I | | Column-II | |
|----------|----------------|-----------|---------|
| A. | Amphibia | I. | Phylum |
| B. | Chordata | II. | Species |
| C. | <i>Rana</i> | III. | Genus |
| D. | <i>tigrina</i> | IV. | Class |

Choose the most appropriate answer from the following options.

- (A) A-I, B-III, C-II, D-IV
 (B) A-II, B-IV, C-III, D-I
 (C) A-IV, B-I, C-III, D-II
 (D) A-IV, B-II, C-III, D-I

Q8 Read the following paragraph and select the **correct** option.

The vascular system of frog is well-developed ____ (A) ____ type. The blood vascular system involves heart, blood vessels and blood. It has three chambers, two atria and one ventricle and is covered by a membrane called pericardium. A triangular structure called ____ (B) ____ joins the right atrium. It receives blood through the major

veins called vena cava. The ventricle opens into a sac-like ____ (C) ____ on the ventral side of the heart.

- (A) A-open, B-sinus venosus, C-conus arteriosus
 (B) A-closed, B-conus arteriosus, C-sinus venosus
 (C) A-closed, B-sinus venosus, C-conus arteriosus
 (D) A-open, B-conus arteriosus, C-sinus venosus

Q9 Assertion (A): Frogs are beneficial for mankind.

Reason (R): They eat insects and protect the crop.

- (A) Both Assertion (A) and Reason (R) are the true, and Reason (R) is a correct explanation of Assertion (A).
 (B) Both Assertion (A) and Reason (R) are the true, but Reason (R) is not a correct explanation of Assertion (A).
 (C) Assertion (A) is true, but Reason (R) is false.
 (D) Assertion (A) is false, but Reason (R) is true.

Q10 Match List I with List II and choose the **correct** option.

| List-I | | List-II | |
|--------|-----------|---------|---------------|
| (A) | Tadpole | (I) | Sound signals |
| (B) | Male frog | (II) | Carnivore |
| (C) | Tympanum | (III) | Vocal Sac |
| (D) | Frog | (IV) | Herbivore |

- (A) A-IV, B-III, C-I, D-II
 (B) A-I, B-II, C-III, D-IV
 (C) A-II, B-IV, C-I, D-III
 (D) A-III, B-I, C-II, D-IV



Answer Key

Q1 (A)

Q2 (A)

Q3 (C)

Q4 (A)

Q5 (D)

Q6 (B)

Q7 (C)

Q8 (C)

Q9 (A)

Q10 (A)



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