

NEET STRUCTURAL ORGANISATION IN ANIMALS — FROG: MORPHOLOGY AND ANATOMY — PYQS

Max. Marks: 56

Questions: 14

Section A (MCQ) — 14 questions

Q.1 Choose the correct statements regarding frog's anatomy:

Choose the correct answer from the options given below:

- A. Hepatic portal system is the special venous connection between liver and intestine.
- B. There are twelve pairs of cranial nerves arising from the brain.
- C. The ureters and oviducts open separately into the cloaca in female frogs.
- D. Hind-brain consists of cerebellum, medulla oblongata and optic lobes.
- E. Sinus venosus joins the right atrium of heart.

[NEET (UG) 2026]

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

Scan or tap for the
full solution 

Q.2 Male frogs can be distinguished from female frogs due to the presence of:

- A. Bulging eyes
- B. Vocal sacs
- C. Webbed digits in feet
- D. Copulatory pad on first digit of fore limbs
- E. Olive green-coloured skin with dark irregular spots

Choose the correct answer from the options given below:

[NEET (UG) 2026]

- (1) A and B only (2) C and E only
(3) B and D only (4) B and C only

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Q.3 In water, frogs respire using _____.

[RE-NEET (UG) 2026]

- (1) trachea (2) skin
(3) buccal cavity (4) lungs

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Q.4 In frogs, the number of pairs of cranial nerves arising from the brain are _____.

[RE-NEET (UG) 2026]

- (1) 12 (2) 6 (3) 9 (4) 10

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Q.5 In frog, the Renal portal system is a special venous connection that acts to link: [NEET (UG) 2025]

- (1) Kidney and intestine
- (2) Kidney and lower part of body
- (3) Liver and intestine
- (4) Liver and kidney

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Q.6 Frogs respire in water by skin and buccal cavity and on land by skin, buccal cavity and lungs.
Choose the correct answer from the following :

[NEET (UG) 2025]

- (1) The statement is false for water but true for land
- (2) The statement is false for both the environments
- (3) The statement is true for water but false for land
- (4) The statement is true for both the environments

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Q.7 What is the name of the blood vessel that carries deoxygenated blood from the body to the heart in a frog? [NEET (UG) 2025]

- (1) Pulmonary vein (2) Vena cava
(3) Aorta (4) Pulmonary artery

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Q.8 Which of the following statements is correct about location of the male frog copulatory pad? [NEET (UG) 2025]

- (1) Second digit of fore limb
- (2) First digit of the fore limb
- (3) First and Second digit of fore limb
- (4) First digit of hind limb

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full solution 

- Q.9** Select the correct route for the passage of sperms in male frogs : [NEET 2017]
- (1) Testes → Vasa efferentia → Kidney → Seminal vesicle → Urinogenital duct → Cloaca
 - (2) Testes → Vasa efferentia → Bidder's canal → Ureter → Cloaca
 - (3) Testes → Vasa efferentia → Kidney → Bidder's canal → Urinogenital duct → Cloaca
 - (4) Testes → Bidder's canal → Kidney → Vasa efferentia → Urinogenital duct → Cloaca

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- Q.10** Frog's heart when taken out of the body continues to beat for some time. Select the best option from the following statements.
- A. Frog is a poikilotherm
 - B. Frog does not have any coronary circulation
 - C. Heart is "myogenic" in nature
 - D. Heart is autoexcitable [NEET 2017]
- (1) D only
 - (2) A and B only
 - (3) C only
 - (4) C and D only

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- Q.11** Compared to those of humans, the erythrocytes in frog are : [AIPMT 2012 (Prelims)]
- (1) Without nucleus but with haemoglobin
 - (2) Very much smaller and fewer
 - (3) Nucleated and with haemoglobin
 - (4) Nucleated and without haemoglobin

Scan or tap for the full solution



- Q.12** Consider the following four statements (A–D) related to the common frog *Rana tigrina*, and select the correct option stating which ones are true (T) and which ones are false (F). Statements:
- A. On dry land it would die due to lack of O₂ if its mouth is forcibly kept closed for a few days.
 - B. It has four-chambered heart.
 - C. On dry land it turns uricotelic from ureotelic.
 - D. Its life-history is carried out in pond water.
- [AIPMT 2011 (Mains)]
- (1) A-T, B-F, C-F, D-T
 - (2) A-T, B-T, C-F, D-F
 - (3) A-F, B-F, C-T, D-T
 - (4) A-F, B-T, C-T, D-F

Scan or tap for the full solution



- Q.13** Ureters act as urinogenital ducts in [AIPMT 2011 (Mains)]

- (1) human males
- (2) human females
- (3) both male and female frogs
- (4) male frogs

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- Q.14** Frogs differ from humans in possessing : [AIPMT 2011 (Mains)]
- (1) hepatic portal system
 - (2) paired cerebral hemispheres
 - (3) nucleated red blood cells
 - (4) thyroid as well as parathyroid

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	4	3	2	4	2	1	2	2	3	4	3
Ques.	12	13	14								
Ans.	1	4	3								