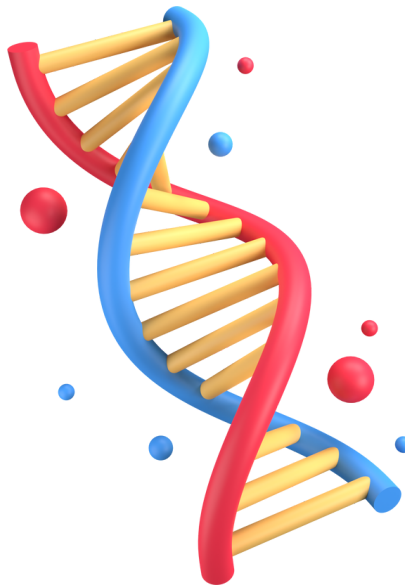


# ZOOLOGY

ENTHUSIAST | LEADER | ACHIEVER



**EXERCISE**

Frog

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ENGLISH MEDIUM

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## EXERCISE-I (Conceptual Questions)

## Build Up Your Understanding

1. Functional kidney of frog is :  
(1) Pronephric (2) Mesonephric  
(3) Metanephric (4) Absent  
**AT0326**
2. Bidder's canal in frog is found in :  
(1) Kidney (2) Testes  
(3) Urinary bladder (4) Cloaca  
**AT0327**
3. Which of the following is the function of kidney in frog ?  
(1) Excretion  
(2) Osmoregulation  
(3) Haemopoiesis in larva  
(4) All of the above  
**AT0328**
4. In male frog ureter transfer :  
(1) Urine (2) Sperms  
(3) Both 1 and 2 (4) None  
**AT0329**
5. Cortex and medulla region in frog kidney.  
(1) Less distinct  
(2) More distinct  
(3) Absent  
(4) Very less distinct  
**AT0330**
6. Excretory product of frog is :-  
(1) Urea  
(2) Ammonia  
(3) Uric acid  
(4) Amino acids  
**AT0331**
7. Pyramids in kidney of frog are :-  
(1) Two (2) Five  
(3) Ten (4) Absent  
**AT0332**
8. Teeth of frog are :-  
(1) Pleurodont (2) Thecodont  
(3) Heterodont (4) Acrodont  
**AT0333**
9. Lower jaw is toothless is :  
(1) Cockroach (2) Man  
(3) Rabbit (4) Frog  
**AT0334**
10. The venous system of frog differs from that of rabbit in the presence of :-  
(1) Hepatic portal system  
(2) Renal portal system  
(3) Hepatic vein  
(4) Three vena cava  
**AT0335**
11. Three chambered heart is found in:-  
(1) Frog (2) Butterfly  
(3) Crocodile (4) Fish  
**AT0336**
12. Absence of thumb is feature of :-  
(1) Rabbit (2) Man  
(3) Frog (4) Monkey  
**AT0337**
13. Dorsal part of frog is..... and ventral part is .....  
(1) Olivegreen, uniformly pale yellow  
(2) Olivegreen, uniformly dark yellow  
(3) Olivegreen, nonuniformly pale yellow  
(4) Olivegreen, nonuniformly dark yellow  
**AT0338**
14. Common Indian bull frog is :-  
(1) *Rana tigrina* (2) *Rana essulenta*  
(3) *Rana silvatica* (4) *Rana goliath*  
**AT0339**
15. Summer sleep of frog is called :-  
(1) Hibernation (2) Aestivation  
(3) Both (4) Salivation  
**AT0340**

16. Head of frog is .... and its anterior conical part is called :-  
 (1) circular, snout  
 (2) triangular, snout  
 (3) rectangular, snout  
 (4) pentagonal, snout  
**AT0341**
17. Select the true statement regarding frog (*Rana tigrina*):-  
 (1) Frog is a homeothermal animal  
 (2) Frog drinks about 5 litres H<sub>2</sub>O per day  
 (3) poisonous glands are not found on the body of frog.  
 (4) A very long tail is present in posterior part of frog's body.  
**AT0342**
18. Frog belong to order :-  
 (1) Urodela (2) Apoda  
 (3) Caudata (4) Anura  
**AT0343**
19. Vocal sacs are found in :-  
 (1) male frog (2) female frog  
 (3) both (4) none  
**AT0344**
20. The glands present in the skin of toad are :-  
 (1) mucous and poisonous  
 (2) sweat and mammary  
 (3) sweat and sebaceous  
 (4) mucous and sweat  
**AT0345**
21. A hibernating frog respire with :-  
 (1) Lung (2) Diaphragm  
 (3) Buccal epithelium (4) Skin  
**AT0346**
22. Which of the following trait is not characteristic of frog?  
 (1) Thin, scaleless skin  
 (2) Aquatic reproduction  
 (3) Amniote egg  
 (4) Cutaneous respiration  
**AT0347**
23. Neck is absent in frog. This helps frog in :-  
 (1) catching prey  
 (2) respiration  
 (3) swimming in water  
 (4) jumping on ground  
**AT0348**
24. A frog lives in water or near water because:  
 (1) it can get its food easily in water  
 (2) its hindlimbs are webbed and help in swimming  
 (3) it can see through its transparent eyelids while swimming  
 (4) It respire through the skin  
**AT0349**
25. *Rana tigrina* is zoological name of :-  
 (1) Frog (2) Leopard  
 (3) Lizard (4) Earthworm  
**AT0350**
26. Frog belongs to amphibian because :-  
 (1) tail is not found in it  
 (2) lungs are found in it  
 (3) its tadpoles are aquatic in nature  
 (4) it lives in water as well as on land  
**AT0351**
27. Skull of frog is :-  
 (1) Tricondylic (2) Monocondylic  
 (3) Dicondylic (4) Polycondylic  
**AT0352**
28. Which of the following found in frog?  
 (1) five fingers and four toes  
 (2) four fingers and five toes  
 (3) five fingers and five toes  
 (4) four fingers and four toes  
**AT0353**
29. Frog reproduces :-  
 (1) in water  
 (2) on trees  
 (3) in sand  
 (4) on lotus flowers in water  
**AT0354**

- 30.** Number of cranial nerves found in frog :-  
(1) 10 (2) 12 (3) 20 (4) 24  
**AT0355**
- 31.** The third eyelid in frog is called :-  
(1) Pineal eye  
(2) Lower eyelid  
(3) Nictitating membrane  
(4) Upper eyelid  
**AT0356**
- 32.** Alimentary canal in frog terminates into  
(1) Cloaca (2) Stomach  
(3) Ileum (4) Duodenum  
**AT0357**
- 33.** The liquified semidigested acidic food is known as :-  
(1) Bile (2) Bolus  
(3) Chyme (4) Faeces  
**AT0358**
- 34.** Skin helps in exchange of gases because :-  
(1) It is kept moist by the mucus and water  
(2) It is thin  
(3) It is richly supplied with blood  
(4) All of these  
**AT0359**
- 35.** Air enters into the lungs through the  
(1) Skin (2) Buccal cavity  
(3) Mouth (4) Cloaca  
**AT0360**
- 36.** Pericardium is a  
(1) Thin, transparent and two layered sac.  
(2) Thick, cuticular and two layered sac.  
(3) Thick, transparent and three-layered sac.  
(4) Thin, opaque and four layered sac.  
**AT0361**
- 37.** Kidneys in adult frog are :-  
(1) Pronephric (2) Metanephric  
(3) Mesonephric (4) All of these  
**AT0362**
- 38.** In frogs, urine is temporarily stored in  
(1) Kidneys (2) Urinary bladder  
(3) Ureters (4) Cloaca  
**AT0363**
- 39.** In frogs, heartbeat is controlled by :-  
(1) Cerebellum  
(2) Spinal cord  
(3) Medulla oblongata  
(4) Mid-brain  
**AT0364**
- 40.** Vasa-efferentia in male frog opens into  
(1) Vas deferens  
(2) Bidder's canal  
(3) Cloaca  
(4) Urinogenital duct  
**AT0365**

## EXERCISE-I (Conceptual Questions)

## ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	2	1	4	3	3	1	4	4	4	2	1	3	1	1	2
Que.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	2	3	4	1	1	4	3	4	4	1	4	3	2	1	3
Que.	31	32	33	34	35	36	37	38	39	40					
Ans.	3	1	3	4	2	1	3	2	3	2					

## EXERCISE-II (Previous Year Questions)

## AIPMT/NEET

## AIPMT (Mains) 2011

1. Frogs differ from the humans in possessing:
- (1) Thyroid as well as parathyroid
  - (2) Paired cerebral hemispheres
  - (3) Hepatic portal system
  - (4) Nucleated red blood cells

AT0391

## AIPMT 2017

2. Select the correct route for the passage of sperms in male frog :-
- (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

AT0366

3. Frog's heart when taken out of the body continuous to beat for sometimes.

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

**Option :-**

- (1) Only d
- (2) a and b
- (3) c and d
- (4) Only c

AT0367

## EXERCISE-II (Previous Year Questions)

## ANSWER KEY

Que.	1	2	3
Ans.	4	3	3

## EXERCISE-III

## Master Your Understanding

## EXERCISE-III(A) (NCERT BASED QUESTIONS)

1. Body of frog is divisible into :
- (1) Head and trunk      (2) Head and tail  
(3) Head and neck      (4) Head, trunk & tail

AT0392

2. Read the following four statement about sense organs of *Rana tigrina* :-

- (1) Frog has simple eyes possessing only one unit  
(2) External ear is present in frog  
(3) External ear is absent in frog and only tympanum can be seen externally  
(4) Eyes and internal ear are well organised structures and the rest are cellular aggregation

How many of the above statements are correct?

- (1) 4      (2) 1      (3) 2      (4) 3

AT0393

3. Female frogs do not have :

- (1) Tympanum  
(2) Nictitating membrane  
(3) Vocal sacs and copulatory pads  
(4) Hibernation and aestivation

AT0394

4. Frogs are :

- (1) Carnivorous      (2) Herbivorous  
(3) Omnivorous      (4) Sanguivores

AT0395

5. Find out correct match for respiration in frog :-

	In Water	On land
(1)	Lungs	Skin
(2)	Cutaneous	Pulmonary
(3)	Buccal-cavity	Lungs
(4)	Pulmonary	Buccal-cavity

AT0396

6. In the heart of frog sinus venosus joins to the :

- (1) Right atrium      (2) Left atrium  
(3) Right ventricle      (4) Left ventricle

AT0397

7. Venous connection between kidney and lower parts of body in Indian bull frog is known as :

- (1) Hepatic portal system  
(2) Hypophyseal portal system  
(3) Renal portal system  
(4) Coronary circulation

AT0398

8. Find out the incorrect option for frog :

- (1) Eucleated RBC  
(2) WBC present  
(3) Nucleated RBC  
(4) Platelets present

AT0399

9. The mid brain of frog is characterised by :

- (1) Two pairs of optic lobe  
(2) One optic lobe  
(3) Three optic lobes  
(4) A pair of optic lobes

AT0400

## EXERCISE-III(B) (ANALYTICAL QUESTIONS)

10. Excretory waste of frog is :

- (1) Ammonia      (2) Urea  
(3) TMAO      (4) Uric acid

AT0401

11. In frog partially digested food called chyme is passed from stomach to :

- (1) Duodenum      (2) Ileum  
(3) Jejunum      (4) Rectum

AT0402

12. Which one of the following is common in both male and female frog?

- (1) Bidder's canal      (2) Vocal sac  
(3) Cloaca                (4) Copulatory pad

AT0403

13. The larva of *Rana tigrina* is

- (1) Tornaria                (2) Tadpole  
(3) Trochophore          (4) Ascidian

AT0404

14. Which of the following feature is not found in Indian bull frog?

- (1) External fertilisation  
(2) Indirect development  
(3) Metamorphosis  
(4) Internal fertilisation

AT0405

15. The system for control and coordination is highly developed in the frog, it includes:

- (1) Both neural system and endocrine glands  
(2) Only neural system  
(3) Only endocrine glands  
(4) None

AT0406

## EXERCISE-III

## ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	1	4	3	1	2	1	3	1	4	2	1	3	2	4	1