

Oct-2014



कानन - 002

**ZOOLOGY PAPER - I : ZOO - 121**

**Chordates - I**

**(12155)**

**P. Pages : 3**

**Time : Two Hours**

**Max. Marks : 40**

**Instructions to Candidates :**

1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to right indicate full marks.
6. Draw neat labelled diagrams wherever necessary.

**1. Attempt the following.**

**8**

i) In an adult frog \_\_\_\_\_ pairs of cranial nerves are present.

- a) 12                      b) 10                      c) 14                      d) 11

ii) In frog, fertilization is \_\_\_\_\_.

- a) external                      b) internal  
c) in the water                      d) a and c are correct

iii) Type of teeth in frog are \_\_\_\_\_.

- a) Homodont                      b) Polyphyodont  
c) acrodont                      d) all

iv) Abundance of nutrition and oxygen supply the larval stage develop gonads like adult called \_\_\_\_\_.

- a) neoteny                      b) paedogenesis  
c) polyteny                      d) both a & b



v) Terminal part of rectum is called \_\_\_\_\_.

- |            |           |
|------------|-----------|
| a) Urethra | b) Cloaca |
| c) Anus    | d) Colon  |

vi) In frog the breeding season lasts from \_\_\_\_\_.

- |                     |                       |
|---------------------|-----------------------|
| a) May to September | b) August to November |
| c) June to October  | d) July to September  |

vii) Select the proper answer from the following.

- a) external ear present in frog.
- b) Middle ear present in frog.
- c) internal ear present in frog.
- d) both b and c are correct.

viii) In frog, heart receives \_\_\_\_\_ blood.

- |               |                      |
|---------------|----------------------|
| a) oxygenated | b) venous            |
| c) mixed      | d) none of the above |

2. Define / Explain / comment **any four**.

8

- |                        |                   |
|------------------------|-------------------|
| i) Inspiration         | ii) Mesovarium    |
| iii) Sexual dimorphism | iv) Excretion     |
| v) Pericardium         | vi) Gastric gland |

3. Attempt **any two** of the following.

8

- i) Describe the composition of blood of frog.
- ii) Sketch & label V.S. of eye of frog.
- iii) Describe the structure of uriniferous tubule.



4. a) Attempt **any two** of the following. 6
- i) Write notes on "Sphenodon"
- ii) Explain the food & feeding mechanism in frog.
- iii) Give the functions of medulla oblongata of brain of frog.
- b) Explain – ventricle of heart of frog. 2
5. Attempt **any one** of the following. 8
- i) Describe the female reproductive system of frog.
- ii) Explain the brain of frog.

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