

Seat Number

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April 2015



खजिना - 008

ZOOLOGY PAPER - I : ZOO - 121
Chordates - I
(12155)

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink 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. Multiple choice question.

8

- i) In frog, Kidney as organ.
a) Haemopoietic b) Homeostatic
c) Both a and b d) None
- ii) In male frog testis are located.....
a) Inside abdomen b) Outside abdomen
c) In scrotum d) All
- iii) Frog is.....
a) Herbivorous b) Omnivorous
c) Sanguivorous d) Carnivorous
- iv) Thyroxine contains..... which accelerates the metamorphosis
a) Iodine b) Chloride
c) Calcium d) Phosphorus
- v) Which of the following organism is called living fossil
a) Hemidactylus b) Testudo
c) Sphenodon d) All.

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- vi) In frog, the R.B. Cs. are.....
 a) Binucleated b) Without nucleus
 c) Nucleated d) none of these.
- vii) Frog has vision.
 a) monocular b) Binocular
 c) Multiclar d) none of these
- viii) Vocal sacs are present in.....
 a) Male frog b) female frog
 c) Both male & female frog d) none of these.

2. Define/ Explain/ comment **any four**. 8

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|----------------|--------------|
| i) Respiration | ii) Cloaca |
| iii) Liver | iv) Meninges |
| v) Trachea | vi) Nephron |

3. Attempt **any two** of the following. 8

- i) Describe the mechanism of pulmonary respiration in frog.
- ii) Sketch & label male Urinogenital system of frog.
- iii) Give the functions of different parts of brain.

4. a) Attempt **any two** of the following. 6

- i) Explain the pancreas of frog.
- ii) Describe the membranous labyrinth of frog.
- iii) Explain the altitudinal migration of birds with suitable example.

b) Explain - Receptors. 2

5. Attempt **any one** of the following. 8

- i) Describe the digestive system of frog.
- ii) Give the avian and reptilian feature of Archaeopteryx.
