

April - 2013

Seat
No.

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कर - 001

ZOOLOGY PAPER - I (NEW) - ZOO-121
Chordates - I

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet 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 whenever necessary.

1. Multiple choice attempt **any eight**.

8

- i) In frog heart receives blood.
a) deoxygenated b) mixed
c) oxygenated d) venous
- ii) Frog is
a) herbivorous b) omnivorous
c) sanguivorous d) carnivorous
- iii) The organism is called living fossil.
a) Testudo b) Sphenodon
c) Hemidactylus d) Scoliodon
- iv) In Frog, digestion of protein is completed in
a) rectum b) ileum
c) duodenum d) stomach
- v) In an adult frog pairs of cranial nerves are present.
a) 10 b) 12
c) 11 d) 14
- vi) Amplexus is called as
a) sexual embrace b) copulation
c) pseudo copulation d) both a & c
- vii) The function of iris in the eye of frog is to
a) refraction of light rays b) moves the lens forward & backward
c) alter the size of pupil d) move the nictitating membrane

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P.T.O.

- viii) In frog, during hibernation heart beat is controlled by
- a) A.V.node b) S.A. node
- c) hormone d) autonomic nervous system
- ix) Male frog can be identified from female frog by
- a) perianal setae b) anal styles
- c) vocal sacs d) none of these
- x) In frog, ovaries are
- a) pink & oval b) white & irregular
- c) white & spherical d) pink & spherical

2. Define / Explain / Comment on any four.

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|--------------------|-------------------|
| i) Receptors | ii) Blood vessels |
| iii) Bidders canal | iv) nephron |
| v) Neotony | vi) Polyphyodont |

3. Attempt any two of the following.

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- i) Archaeopteryx.
- ii) Explain the intestinal digestion in frog.
- iii) Sketch & label dorsal view of brain of frog.

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

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- i) Describe the sinus venosus of frog.
- ii) Describe the T. S. of spinal cord of frog.
- iii) Explain the seminiferous tubules of frog.

b) Explain - Pericardium.

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5. Attempt any one of the following.

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- i) Describe the male urinogenital system in frog.
- ii) Explain various modes of avian migration.
