



ZOOLOGY PAPER - I : ZOO - 241
Chordates - II (24155)

P. Pages : 2

Time : Two Hours

Max. Marks : 40

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Seat Number

- 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. Figure to the right indicate full marks.
 6. Draw neat labelled diagram wherever necessary.

1. Multiple Choice any eight.

8

- In female Rat the ventral surface bears ----- nipples or teats.
 i) 2 - 4 ii) 6 - 8 iii) 4 - 6 iv) 10 - 12
- Kidney contains vast number of -----
 i) ova ii) uriniferous tubules iii) vas deferens iv) All
- The right lung of Rat is divided in to ----- lobes.
 i) Two ii) Three iii) Four iv) Five
- Hepatic vein brings blood from -----
 i) Lung ii) Liver iii) Kidney iv) Duodenum
- Abdominal and thoracic cavity is divided by -----
 i) mesentery ii) diaphragm iii) master band iv) All
- Homocercal tail is externally symmetrical consisting of equal size ----- lobes.
 i) Epi & hyperchordal lobe ii) Hypo & hyperchordal iii) Epi and hypochordal iv) None of these

- g) In Pipa the care of young ones is taken by -----
 i) Male frog ii) Female frog iii) Both iv) None of these
- h) In Male Rat testes descended in -----
 i) Peritoneal sac ii) Scrotal sac iii) Epididymis iv) All
- i) The dental formula of Rat -----
 i) 1,0,0,4 ii) 1,1,0,4 iii) 1,0,0,3 iv) 1,0,1,3
- j) The Rat is ----- animal.
 i) Sanguivorous ii) Insectivorous iii) Omnivorous iv) None

2. Define / Explain / Comments - any four. 8

- a) Parental Care. b) Viviparous. c) Malpighian body. d) Venom. e) Copulation. f) Respiration.

3. Attempt any two. 8

- a) Sketch & label dorsal view of brain of Rat. b) External characters of Rat. c) Duck - billed platypus.

4. a) Attempt any two. 6

- i) Cycloid scale. ii) Membranous labyrinth. iii) Sketch & label - Female reproductive system of Rat. b) Define - Exertion.

5. Attempt any one. 8

- a) Describe internal structure of heart of Rat. b) Alimentary canal of Rat.
