



कण - 091

ZOOLOGY PAPER - I : ZOO - 231
Non Chordates - II
(New) (23155)

P. Pages : 2

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 the right indicate full marks.
6. Draw neat labelled diagrams wherever necessary.

1. Multiple choice

8

- a) In leeches colonic fluid contains..... which imparts red colour to the fluid.
i) Haemoglobin ii) haemocynin
iii) heamatin iv) all
- b) Buccal Chamber of leech consists of.....Jaws.
i) One ii) Two
iii) Three iv) Four.
- c) The shell of.....is also called an elephant tusk.
i) Sepia ii) Nautilus
ii) Dentalium iv) Terebra.
- d) Cantharadin is found in
i) Snails ii) Leech
iii) Beetles iv) all
- e) In leech.....pairs of nephridia are present.
i) 17 ii) 18 iii) 19 iv) 20
- f) Brain of leech is situated in..... segment.
i) 4th ii) 5th iii) 6th iv) 7th
- g) Leeches are.....
i) unisexual ii) bisexual iii) hermaphrodite iv) none

- h) In leech anticoagulant is present
 i) Hirudin ii) Pepsin iii) trypsin iv) renin

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

8

- a) Lateral Channels
- b) Nephridia
- c) Apiculture
- d) Hermaphrodite
- e) Polymorphism.
- f) Cocoon.

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

8

- a) Central Nervous system of leech.
- b) Food & Feeding of leech.
- c) Sketch & label - Dorsal view of leech.

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

8

- a) Economic importance of Lac insects.
- b) Female reproductive system of leech.
- c) Sketch & label - Alimentary Canal of leech.

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

8

- a) Economic importance of butterflies.
- b) Course of Circulation in leech.
