

Oct-2013

Seat
No.

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कुंतल - 034

ZOOLOGY PAPER-I (NEW) (23155) ZOO-231

Non Chordates - II

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

1. Multiple Choice.

8

- a) Hirudin is ----- in leech.

i) Hormone	ii) Enzyme
iii) Anticoagulant	iv) None.
- b) Brain of leech is situated in ----- segment.

i) 3 rd	ii) 4 th
iii) 5 th	iv) 6 th
- c) Posterior sucker of leech is formed by ----- segments.

i) 5	ii) 6
iii) 7	iv) 8.
- d) In leech ----- pairs of eyes are present.

i) 04	ii) 05
iii) 06	iv) 07.
- e) ----- fertilization occurs in leech.

i) External	ii) Internal
iii) Cross	iv) All of above.
- f) Cocoon is formed by ----- segments.

i) 9th to 11th	ii) 8th to 10th
iii) 10th to 12th	iv) 7th to 9th.
- g) Leech is ----- in habit.

i) Sanguivorous	ii) Herbivorous
iii) Scavenger	iv) Velum.
- h) The shell of ----- is internal.

i) Sepia	ii) Nautilus
iii) Dentalium	iv) Terebra.

2. Define / Explain / comments. **any four.** 8
- a) Polymorphism.
 - b) Hermaphrodite.
 - c) Annuli.
 - d) Nephridia.
 - e) Haemocoelomic channel.
 - f) Apiculture.
3. Attempt **any two** of the following : 8
- a) Peripheral Nervous System of Leech.
 - b) Male reproductive system of Leech.
 - c) Sketch & Label - Physalia Colony.
4. Attempt **any two** of the following : 8
- a) Shell of Gastropoda.
 - b) Locomotion in Leech.
 - c) Haemocoelomic Fluid.
5. Attempt **any one** of the following. 8
- a) Digestive system of Leech.
 - b) Importance of polymorphism in Siphonophora.
