

Seat Number

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April 2015



खजूर - 006

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

P. Pages : 3

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

1. Multiple choice any eight.

8

- a) Buccal chamber of Leech consist of ----- Jaw.
 - i) One
 - ii) three
 - iii) Four
 - iv) Two
- b) Leech is in habit.
 - i) Herbivorous
 - ii) Sanguivorous
 - iii) Scavenger
 - iv) Carnivorous.
- c) Leech is.....animal
 - i) Unisexual
 - ii) hermaphrodite
 - iii) Herbivorous
 - iv) None.
- d) Shell of molluscs is secreted by.....
 - i) Foot
 - ii) Mantle
 - iii) Tentacle
 - iv) None of these
- e) In Leech.....pairs of eyes are present.
 - i) 04
 - ii) 05
 - iii) 06
 - iv) 07

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P.T.O

- f)stage of butterfly is useful for pollination.
 i) Egg ii) Caterpillar
 iii) Pupa iv) Adult.
- g) Hirudinaria belongs to the class.....
 i) Trematode ii) Hirudinea
 iii) Poly chaeta iv) None.
- h)pairs of testicular nephridia are present in Leech.
 i) 11 ii) 07
 iii) 13 iv) 19
- i) In Leech ovisac is situated in.....segment.
 i) 11th ii) 12th
 iii) 14th iv) 10th
- j)partition is present between preoral chamber & buccal cavity.
 i) Septum ii) Valve
 iii) Velum iv) None of these

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

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- i) Excretion
 ii) Suckers
 iii) Hirudin
 iv) Blood letting.
 v) Haemocoelomic fluid
 vi) Cacoon.

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

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- a) Uses of silk

- b) Describe the crop of Leech.
- c) External characters of Leech.

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

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- a) Describe dorsal haemocoelomic channel.
- b) Male reproductive system of Leech.
- c) Brachiolaria larva.

5. Attempt **any one**.

8

- a) What is polymorphism? Explain polymorphism in siphonophora.
- b) Central nervous system of Leech.
