

Seat Number

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April-2016



कडबा - 003

ZOOLOGY PAPER - I : ZOO-231
Non Chordates - II
(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. 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 diagram wherever necessary.

1. Multiple choice – any eight.

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- a) Leech is --- animal
 - i) Herbivorous
 - ii) Carnivorous
 - iii) Ectoparasite
 - iv) None
- b) Body of Leech consist of ----- segments.
 - i) 30
 - ii) 28
 - iii) 33
 - iv) 36
- c) Shell of----- is known as cuttlebone.
 - i) Sepia
 - ii) Nautilus
 - iii) Dentalium
 - iv) None
- d) Mouth parts of butterfly are ----- type.
 - i) Sponging
 - ii) Piercing
 - iii) Siphoning
 - iv) Chewing
- e) In Leech ----- pairs of nephridia are present.
 - i) 20
 - ii) 19
 - iii) 17
 - iv) 09
- f) In Leech ----- pairs of eyes are present.
 - i) 04
 - ii) 06
 - iii) 05
 - iv) 07

- g) In Leech coelomic fluid contains ----- which imparts red colour to the fluid.
- | | |
|-----------------|-----------------|
| i) Haemafin | ii) Haemodyanin |
| iii) hemoglobin | iv) All |
- h) The anti coagulant substance present in leech is-----
- | | |
|-------------------|-------------|
| i) Pepsin | ii) Hirudin |
| iii) Chymotrypsin | iv) None |
- i) -----Fertilization occurs in Leech.
- | | |
|---------------|-------------------|
| i) External | ii) Cross |
| iii) Internal | iv) None of these |
- j) Ciliated organ is present in ----- nephridia.
- | | |
|-------------------|-------------------|
| i) Pre-testicular | ii) Testicular |
| iii) Both | iv) None of these |

2. Define / Explain / Comments on any four.

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- Sericulture.
- Posterior sucker.
- Haemocoelomic fluid.
- Testicular nephridia.
- Eyes
- Polyp

3. Attempt any two of the following.

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- Sketch & label Leech.
- Give an account of bee products.
- Describe nerve ring of Leech.

4. Attempt any two of the following.

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- Bipinnaria larva.
- Female reproductive system of Leech.
- Describe ventral haemocoelomic channel.

5. Attempt any one of the following.

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- Digestive system of Leech.
- Explain the shell of Class-Gastropoda & Pelecypoda.
