

I Choose the correct answer

9 x 1 = 9

1. In leech locomotion is performed by

- a) Anterior sucker b) Posterior sucker
- c) Setae d) none of the above

2. The animals which give birth to young ones are

- a) Oviparous b) Viviparous
- c) Ovoviviparous d) All the above

3. The segments of leech are known as

- a) Metameres (somites) b) Proglottids
- c) Strobila d) All of the above

4. Pharyngeal ganglion in leech is a part of

- a) Excretory system b) Nervous system
- c) Reproductive system d) Respiratory system

5. The brain of leech lies above the

- a) Mouth b) Buccal Cavity
- c) Pharynx d) Crop

6. The body of leech has

- a) 23 segments b) 33 segments
- c) 38 segments d) 30 segments

7. The body of leech has

- a) 23 segments b) 33 segments
- c) 38 segments d) 30 segments

8. Mammals are _____ animals.

- a) cold blooded b) warm blooded
- c) poikilothermic d) All the above

9. _____ spinal nerves are present in rabbit

- a) 12 pairs b) 10 pairs
- c) 37 pairs d) 47 pairs

II. Fill in the blanks

3 x 1 = 3

1. The existence of two sets of teeth in the life of an animal is called _____ dentition.

2. The blood sucking habit of leech is known as _____

3. _____ spinal nerves are present in rabbit.

III. Identify whether the statements are True or False. Correct the false statement

2 x 1 = 2

1. The vas deferens serves to transport the Ovum.

2. The rabbit has a third eyelid called tympanic membrane which is movable.

IV. Match columns I, II and III correctly

(2)

Brain - Covering pleura

Kidney - capsule

Heart - meninges

Lungs - cranial cavity

V. Short answer questions

12 x 2 = 24

1. What does CNS stand for?

2. How does leech respire?

3. Write the dental formula of rabbit.

4. Leeches do not have secretion of digestive juices and enzymes -Why?

5. Why are the rings of cartilages found in trachea in rabbit?

6. List out the parasitic adaptations in leech.

7. How does locomotion take place in leech?

8. How does leech suck blood from the host?

9. Why is the teeth of rabbit called heterodont?

1. How is diastema formed in rabbit?

11. (i) Write the dental formula of the rabbit? (ii) What does CNS stand for?

12. Arjun is studying in tenth standard. He was down with fever and went to meet the doctor. As he went to the clinic he saw a patient undergoing treatment for severe leech bite. Being curious, Arjun asked the doctor why leech bite was not felt as soon as it attaches to the skin ? What would have been the reply given by the doctor?

VI. Long answer questions

2x5 = 10

1. How is the circulatory system designed in leech to compensate the heart structure ?

2. Explain the male reproductive system of rabbit with a labelled diagram.