

BRAIN INTERNATIONAL SCHOOL

Biology Assignment

Class: X

June'21

1. MULTIPLE CHOICE QUESTIONS:

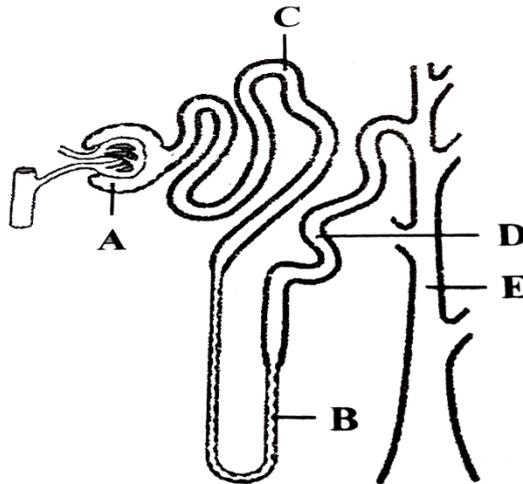
- (i) The contraction and expansion movement of the walls of the food pipe is called:
(a) translocation (b) transpiration
(c) peristaltic movement (d) digestion
- (ii) The main function of abscisic acid in plants is
(a) to promote cell division. (b) to inhibit growth.
(c) to promote growth of stem. (d) to increase the length of cells.

2. ASSERTION-REASON QUESTIONS:

Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below, mark one as the correct answer.

- (i) Both A and R are true and R is correct explanation of the assertion.
(ii) Both A and R are true but R is not the correct explanation of the assertion.
(iii) A is true but R is false.
(iv) A is false but R is true.
- (a) **Assertion:** Reflex Arc works faster than thinking process of brain.
Reason: Reflex Arc works in case of those animals who donot have thinking process.

3. Study the given image and answer the following questions



- (i) Identify the part A and B of given image.
(ii) Which vessel carries blood to the kidneys?
(a) Renal Arteries (b) Renal Vein (c) Both (d) None
- (iii) Maximum amount of water from the glomerular filtrate is reabsorbed in:
(a) A (b) B (c) C (d) D
- (iv) This part serves as a kidney in Dialysis:
(a) Hemolyzer (b) Kidneylyzer (c) Nephrolyzer (d) Dialyzer
- (v) Explain the process of urine formation.
4. Explain the process of breakdown of glucose in a cell (ii) in the absence of oxygen.
5. (a) Draw a labelled diagram of stomata. List two functions of stomata.

- (b) What are the raw materials used during photosynthesis? Write chemical equation for photosynthesis.
6. Explain the process of nutrition in Amoeba.
 7. Explain how auxins help in bending of plant stem towards light.
 8. List the components of reflex arc in correct sequence. State in brief the role of brain in reflex action.
 9. (a) Draw the structure of neuron and label cell body and axon.
(b) Name the part of neuron:
 - (i) where information is acquired
 - (ii) through which information travels as an electrical impulse.
 10. What are 'hormones'? State one function of each of the following hormones:
 - (i) Thyroxine
 - (ii) Insulin