



Brain International School

Vikas Puri, New Delhi

ASSIGNMENT NO. 4

SUBJECT: BIOLOGY

CLASS-IX

OCTOBER'2025

CHAPTER 6 : TISSUES

1. MULTIPLE CHOICE QUESTIONS :

(i) Smooth muscles control the movement in :

(a) The iris of the eye (ii) Uterus (iii) The bronchia of the lungs (iv) All of these

(ii) The longest cell in human body is :

(a) Erythrocytes (b) Striated muscle cell (c) Nerve cell (d) Both (a) & (b)

2. This question consists of two statements-ASSERTION (A) and REASON(R), answer the question selecting the appropriate option given below

a) Both A and R are true and R is the correct explanation for A

b) Both A and R are true and R is not the correct explanation for A

c) A is true but R is false

d) A is false but R is true

ASSERTION (A): Heart muscle cells are cylindrical branched and uninucleated .

REASON(R): Heart muscles are voluntary muscles and show contraction and relaxation throughout life .

3. Read the following paragraph and answer the following questions :

Connective tissue is specialized to connect various body with each other, for example it connects two or more bones to each other ,muscles to bones, bind different tissues together and also gives support to various parts of the body. The cells of connective tissue are loosely packed, living and embedded in an intercellular matrix that may either be jelly like fluid, dense or rigid in nature. The nature of matrix differs in concordance with the function of the particular connective tissue . The various types of the connective tissue are blood, bones, ligaments, tendons, cartilage, areolar tissue, adipose tissue .

- (i) What are connective tissues ? Give one example.
- (ii) Write the composition of blood.
- (iii) What is the function of adipose tissue?

4. Answer the following questions :

1. Write the functions of tendons ligaments adipose tissues
2. Write the difference between ligament and tendon.
3. Draw a well labeled diagram of a neuron.
4. Give three functions of cardiac muscles .