DELHI PUBLIC SCHOOL, JAMMU

DATE: 20th August, 2021   **ASSIGNMENT –2**

CLASS: IX   **Marks:10**
SUBJECT: BIOLOGY

Instructions:
Total no of questions-10 and each question carry one mark.

TOPIC: TISSUES (Ch-2)

Based on your understanding of the E-Lectures-cum PPT's, video links and other e-resources shared with you, answer the following questions

Type (I) MCQ's with four options

1. **Tiny pores are found on the surface of the leaves of plants. These pores are called stomata. These stomata surrounded by the kidney shaped guard cells provide many vital functions to the plants.**

Which of the following functions is not served by the stomata for the plants?
(a) Exchange of gases, particularly CO_2 and O_2, with atmosphere
(b) Loss of water in the form of vapours during transpiration
(c) Helps to create pressure for the water to rise upward, by its process of transpiration
(d) Helps the leaves to carry out the process of photosynthesis

2.Parenchyma cells containing air cavities are called :
(a) Aerenchyma
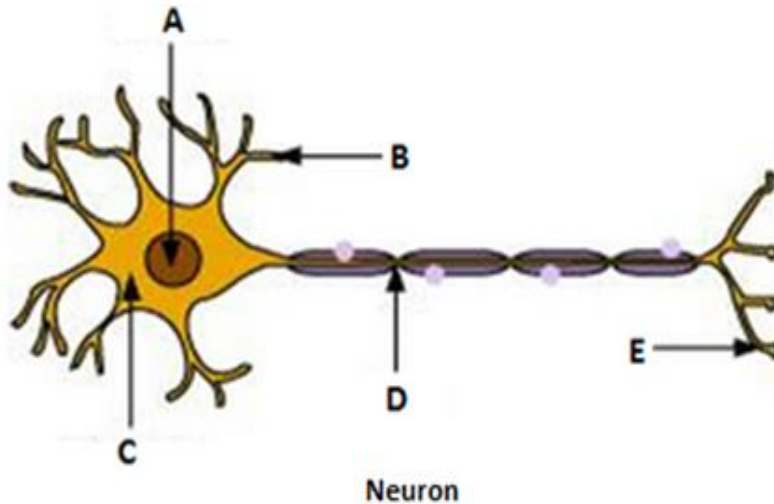(b) Sclerenchyma
(c) Chlorenchyma
(d) None of the above

3. The connective tissue that connects muscle to bone is called:
(a) Ligament
(b) Tendon
(c) Nervous tissue
(d) All of the above

Type (II) Assertion & Reasoning Type :

Directions:
In each of the following questions, a statement of Assertion is given followed by a corresponding statement of Reason just below it. Of the statement, mark the correct answer as:

(A) If both assertion and reason are true and reason is the correct explanation of assertion.
(B) If both assertion and reason are true but reason is not the correct explanation of assertion.
(C) If assertion is true but reason if false.
(D) If assertion is false but reason is true.

4. **Assertion :** Parenchyma cells help in storage of food.
   Reason : Parenchyma cells are the main seats of photosynthesis.
   (a)A   (b) B   (c) C   (d) D

5.**Assertion :** The inner lining of intestine has tall epithelial cells.
   Reason : Columnar epithelium facilitates absorption and secretion.
   (a)A   (b) B   (c) C   (d) D

6. **Assertion :** Meristematic tissues constitute the major portion of the plant body.
   Reason : Meristematic tissues consist of differentiated cells.
   (a)A   (b) B   (c) C   (d) D

Type (III) Fill in the blank
7. **The cells of cork are dead and have a chemical in their walls that makes them impervious to gases and water. The chemical is_____.**
   (a) lignin   (b) suberin
   (c) cutin   (d) wax

8. **The tissue present in the lining of kidney tubules and ducts of salivary glands is_____.**
   (a) Squamous epithelium tissue   (b) Glandular epithelium tissue
   (c) Cuboidal epithelium tissue   (d) Columar epithelium tissue

Type (IV) Match the column

9. **Match the statements of column I with statements of column II.**
   Statements (A, B, C, D) in column-I have to be matched with statements (p, q, r, s) in column II .

	Column I		Column II
A	Loose connective	p	Ears and joint
B	Dense connective	q	Circulatory system
C	Blood	r	Under skin
D	Cartilage	s	Ligaments and tendons

	A	B	C	D
(a)	r	s	p	q
(b)	q	r	p	s
(c)	s	r	p	q
(d)	r	s	q	p

Type (V) Case Study questions

10.Given below is a diagram showing the structure of a neuron tissue.

Neuron

Choose the correct labeling for the parts A, B, C, D and E.
(a) A – Nucleus; B – Cell body;   C – Dendrite;   D – Axon;   E – Nerve ending.
(b) A – Nucleus; B – Dendrite;   C – Cell body;   D – Nerve ending; E – Axon.
(c) A – Nucleus; B – Axon;   C – Cell body;   D – Dendrite;   E –Nerve ending.
(d) A – Nucleus;   B – Dendrite ;   C – Cell body;   D – Axon;   E – Nerve ending

You-Tube Links:
1. https://youtu.be/vysmvom-lvg
2. https://youtu.be/skGmQC87Bvg
3. https://youtu.be/O5i3qh6aUvw

Note:
1. Due date of submission: **27th August 2021**
2. Send your answer here:
   E-mail: Poojachib5390@gmail.com   (Section- A, B, C)
                Rekhachib49@gmail.com   (Section H,I,J)
                 thakurdheeraj024@gmail.com (Section-D,E)
                 ramag2026@gmail.com   (Section-F,G)
3. Students must mention their name, class/section and date in their assignments.
4. Your Assignment will be marked for internal/ Term assessments. Therefore, it is necessary for you to submit it on time.