Chapter- 2

Worksheet – 3

- 1. Lining of kidney tubules is made up of _____.
- **2**. Epithelial cells with cilia are found in _____ of our body.
- **3**. Husk of coconut is made of ______ tissue.
- 4. Xylem transports _____ and _____ from soil.
- 5. Name the following:
 - (1) Tissue that forms the inner lining of our mouth.
 - (2) Tissue that connect muscle to bone in humans.
- 6. Meristematic tissues in plants are
 - (a) localised and permanent
 - (b) not limited to certain regions
 - (c) localised and dividing cells
 - (d) growing in volume.
- 7. Fats are stored in human body as
 - (a) cuboidal epithelium
 - (b) adipose tissue
 - (c) bones
 - (d) cartilage.
- 8. Contractile proteins are found in
 - (a) bones
 - (b) blood
 - (c) muscles
 - (d) cartilage.
- 9. Which of the following helps in repair of tissue and fills up the space inside the organ?
 - (a) Tendon
 - (b) Adipose tissue
 - (c) Areolar
 - (d) Cartilage

- 10. Which of the following does not lose their nucleus at maturity?
 - (a) Companion cells
 - (b) Red blood cells
 - (c) Vessel
 - (d) Sieve tube cells
- 11. Discuss the cell arrangement which supports the fact that epidermis is a protective tissue.
- 12. How is striated squamous epithelial tissue different from squamous epithelial tissue?
- 13. Identify the type of meristem present in the following:(i) At the base of leaves.
 - (ii) Girth of stem increase due to this.
 - (iii) Increase the length of the stem.
- 14. (a) Draw a neat and well labeled diagram of sclerenchyma tissue as seen in the transverse section.
 - (b) Mention the function of this tissue.
- 15. Explain how the bark of a tree is formed. How does it act as protective tissue?
- 16. (i) Epithelial tissue is a protective tissue. Give three points in favour of this statement.
 - (ii) Name the four types of epithelial tissues.

- 17. Draw the labeled diagram of a section of phloem. Name the four types of elements found in phloem. With respect to conduction, what is the main difference between xylem and phloem?
- 18. What is a nervous tissue? Give its functions. Explain the structure of a neuron with a diagram.
- 19. Name a connective tissue which is the hardest. What makes it so hard? List any three important functions of this tissue.
- 20. Write two similarities and four differences between striated and cardiac muscles.