



# BIOLOGY

## BOOKS - CAMBRIDGE BIOLOGY (KANNADA ENGLISH)

### TISSUES

**Question Hour**

1. Define a tissue ?



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2. What is the utility of tissues in multicellular organism?



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3. Name types of simple tissues



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4. Parenchyma tissue is of further two types:



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5. Where is apical meristem found?



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6. Which tissue makes up the husk of a coconut?



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7. What are the constituents of phloem?



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**8.** Name the tissue responsible for movement in our body



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**9.** What does neuron look like ?



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**10.** Give three features of cardiac muscles



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11. What are the functions of Aerolar tissue ?



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## Exercise

1. Define the term "tissue"



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2. How many types of elements together make up the xylem tissue ? Name them



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3. How are simple tissues different from complex tissues in plants ?



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4. Differentiate between parenchyma collenchyma and sclerenchyma on the basis of

their cell wall



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**5. What are the function of the stomata?**



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**6. Diagrammatically show the difference between the three types of muscle fibres**



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7. What is the specific function of the cardiac muscle?



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8. Differentiate between striated, unstriated and cardiac muscles on the basis of their structure and site/location in the body.



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9. Draw a neat labelled diagram of neuron.





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**10.** Name the following.

- (a) Tissue that forms the inner lining of our mouth.
- (b) Tissue that connects muscle to bone in humans.
- (c) Tissue that transports food in plants.
- (d) Tissue that stores fat in our body.
- (e) Connective tissue with a fluid matrix.
- (f) Tissue present in the brain.



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**11.** Identity the type of tissue in the following :  
skin, bark of tree, bone, lining of kidney tubule,  
vascular bundle.



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**12.** Name the regions in which parenchyma  
tissue is present.



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13. What is the role of epidermis in plants?



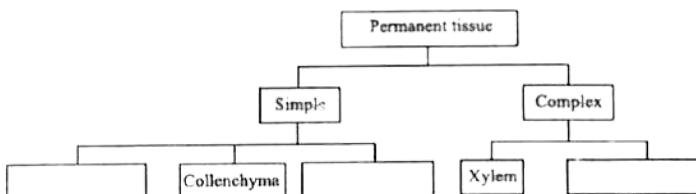
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14. How does the cork act as a protective tissue ?



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15. Complete the table





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## Additional Questions Choose The Correct Answer

1. Ciliated epithelium is found in \_\_\_\_\_.

A. Tongue

B. Oesphangus

C. trachea

D. Uterus

**Answer: C**



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2. The end of a long bone is connected to another bone by

A. Ligament

B. tendon

C. cartilage

D. muscle

**Answer: A**



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3. \_\_\_\_\_ Tissues prevent loss of water in plants

A. Protective

B. xylem

C. Phloem

D. All of above

**Answer: A**



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4. A cell body contains a nucleus and cytoplasm is

A. Blood

B. Cartilage

C. Tendon

D. Neuron

**Answer: D**



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5. Striated muscle is also called \_\_\_\_\_.

- A. Cardiac muscle
- B. Smooth muscle
- C. Skeletal muscle
- D. involuntary muscle

**Answer: C**



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6. Coboidal : Epithillial : Cardiac :



A. Nervous

B. Connective

C. Epithelial

D. Muscular

**Answer: C**



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7. A group of cells alike in form and function and origin are called

A. Tissue

B. Organ

C. Organelle

D. None of these

**Answer: A**



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**8. The tissue which forms gland is \_\_\_\_\_.**

A. Epithelial

B. Connective

C. Nervous

D. Muscle

**Answer: A**



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**9. Ligaments and tendons are Formed by**

A. Epithelial

B. Muscular

C. Cartilage

D. Connective

**Answer: D**



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**10.** Fluid part of blood after removal of corpuscles is \_\_\_\_\_.

A. Plasma

B. lymph

C. Serum

D. Vaccine

**Answer: A**



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## **Additional Questions Fill In The Blanks**

1. Sprain is caused by excessive pulling of

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2. Muscles contain special protein called \_\_\_\_\_ that help in muscle movement.



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3. Bone is an example of \_\_\_\_\_.



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4. Intercalary meristems are found \_\_\_\_\_.



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5. In plants which have the capability of cell division \_\_\_\_\_.



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**Additional Questions Match The Following**

1.

A

- 1) Parenchyma
- 2) Photosynthesis
- 3) Aerenchyma
- 4) Collenchyma
- 5) Permanent tissue

B

- a) Thin walled packing cells
- b) Carbon fixation
- c) Localized thickenings
- d) Buoyancy
- e) Sclerenchyma



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## Additional Questions Answer The Following

1. How are simple tissues different from complex tissue in plants ?





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2. Who coined term 'tissue' ? What is histology ?



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3. What is lignin?



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4. Which tissue makes up the husk of a coconut?



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5. What are the components of phloem ?



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6. What is the difference between simple plant tissue and simple animal tissue.



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7. What is the role of epidermis ?



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**8.** Give three features of cardiac muscles



**Watch Video Solution**

**9.** What are the functions of Aerolar tissue ?



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**10.** Write tpacking cellse classification of animal tissues and their functions.



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## Unit Test Fill In The Blanks

1. Striated muscle is also called \_\_\_\_\_.



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2. Bone is an example of \_\_\_\_\_.



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## Unit Test Answer The Following

1. What is the role of epidermis in plants.



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2. Draw a labelled diagram of a neuron



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3. Write the classification of animal tissues and their functions.



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**4.** How are simple tissues different from complex tissues in plants.



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