



BIOLOGY

BOOKS - PREMIERS PUBLISHERS

TISSUE LEVEL OF ORGANISATION

Textbook Questions Answers Mcq

1. The main function of the cuboidal epithelium is

A. Protection

B. Secretion

C. Absorption

D. ZOOh (b) and (c)

Answer: D



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2. The ciliated epithelium lines the

A. Skin

B. Digestive tract

C. Gall bladder

D. Trachea

Answer: D



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3. What type of fibres are found in connective tissue matrix?

A. Collagen

B. Areolar

C. Cartilage

D. Tubular

Answer: A



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4. Prevention of substances from leaking across the tissue is provided by

A. Tight junction

B. Adhering junction

C. Gap junction

D. Elastic junction

Answer: B



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5. Non-shivering thermogenesis in neonates produces heat through.....

A. White fat

B.) Brown fat

C. Yellow fat

D. Colourless fat

Answer: B



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**Textbook Questions Answers Answer The
Following**

1. Some epithelia are pseudostratified. What does this mean?



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2. Differentiate White adipose tissue from Brown adipose tissue.



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3. Why do we consider blood as a connective tissue?



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4. Differentiate between elastic fibres and elastic connective tissue.



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5. Name any four important functions of epithelial tissue and provide at least one example of a tissue that exemplifies each function.



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6. Write the classification of connective tissue and their functions.



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7. What is an epithelium? Enumerate the characteristic features of different epithelia.



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Other Important Questions Answers Mcq

1. Group of cells that are similar Als that are similar in structure and function are called:

A. Organ system

B. Tissues

C. Germ layers

D. Grem layers

Answer: C



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2. is a contractile tissue present only in the heart.

A. Kidney

B. digestive tract

C. Heart

D. Brain

Answer: C



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3. is closely attached to skeletal bones.

A. Smooth muscle

B. cardiac muscle

C. Muscle fibers

D. Striped muscle

Answer: D



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4. is a fluid connective tissue

A. Lymph

B. Blood

C. Mucus

D. Saliva

Answer: B



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5. The study of tissues is known as

.....

A. Histology

B. Anatomy

C. Physiology

D. Genetics

Answer: A



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6. is the type of modified columnar epithelium which secretes the protective lubricating mucus.

A. Sebaceous gland

B. Oil glands

C. Mast cells

D. Goblet cells

Answer: D



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7. The secretions of endocrine glands are called:

- A. Enzymes
- B. Hormones
- C. Granules
- D. Cell fragments

Answer: B



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8. Dry epidermis of the skin is formed a s

A. Keratinized type of stratified squamous epithelium

B. Stratified cuboidal epithelium

C. Non keratinized type of stratified squamous epithelium

D. Transitional epithelium

Answer: A



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9. Prevention of substances from leaking across the tissue is provided by

A. Gap junction

B. Tissue junction

C. Tight junction

D. Adhering junction

Answer: C



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10. The adipose tissue which contains abundant mitochondria is called:

A. white fat

B. fat cells

C. brown fat

D. white adipose tissue.

Answer: C



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11. The skeletal muscles and bones are attached by:

A. fibroblast

B. stroma

C. tendons

D. cartilages

Answer: C



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12. . The cartilage cells are called:

A. Chondrocytes

B. Osteocytes

C. Melanocytes

D. Lymphocytes

Answer: A



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13. Which is the site of production of blood cells?

- A. Osteocytes
- B. Bone marrow
- C. Collagen fibres
- D. Chondrocytes

Answer: B



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14. These are the fundamental units of neural tissues:

A. Cartilages

B. Nephrons

C. Tendons

D. Neurons

Answer: D



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**Other Important Questions Answers li Answer
The Following**

1. Define tissues .



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2. Tissues are called the living fabrics of an organisms - Elucidate



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3. Explain the classification of animal tissues.



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4. Write about the special features of simple epithelium, its location, and its different types.

Draw suitable diagrams also



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5. Write about the modified columnar epithelium.



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6. What are the types of exocrine glands.
Differentiate the ZOOh.



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7. How are multicellular exocrine glands classified based on their mode of secretion?



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8. What is the main function of compound epithelium and what are its types.



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9. Write the location of compound epithelium.



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10. Write about the different types of compound epithelium.



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11. What is cell junction? What are its different types?



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12. Name the different types of cell junction and its functions.



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13. Name the three types of fibers found in the connective tissues matrix



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14. Name the two broad types of connective tissues



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15. . Write an account on different varieties of loose connective tissue.



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16. Write the differences between dense regular connective tissues, and dense irregular connective tissues.



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17. Name the divisions of specialised connective tissue.



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18. What are the types of specialized connective tissues?



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19. Mention the places where cartilage bones are located in the human body.



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20. What is a muscle tissue? What is its main function?



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21. Write a short note on different types of muscles.



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22. Differentiate simple epithelium from squamous epithelium.



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23. Why Areolar connective tissue is called tissue fluids.



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24. Define Biopsy



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25. Define Autopsy



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26. Name two heritable connective tissue disorders.



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27. What are auto immune connective tissue disorders? Write its symptoms.



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28. Name the diseases of nervous system and mention its symptoms.



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29. Name some epithelial tissue disorders.



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Solution To Textual Questions

1. Straified epithelia are built for the protection or to resist abrasion. How are the simple epithelia better at ?



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2. What type of connective tissue is damaged when you cut your index finger?.



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3. The stored lipids are in the form of adipose tissue. Are they coloured? why?



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4. You are looking at a slide of a tissue through the compound microscope and you see striped branching cells that connect with one another. What type of muscle are you viewing.



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5. A player has sustained a severe injury during football practice and was told that he has a torn knee cartilage. Can he expect a quick uneventful recovery? Explain your response.



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6. An overweight high school student, is overheard telling her friend that she is going to research how she can transform some of

her white fat to brown fat. What is her rationale here (assuming it is possible)?



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