



**Resonance**<sup>®</sup>  
Educating for better tomorrow

**TARGET : NEET (UG) 2024**

**Course : SARANSH (Youtube Live CRASH COURSE)**

**BIOLOGY**

**DPP**

**DAILY PRACTICE PROBLEMS**

**DPP NO. 1**

**ZOOLOGY: Structural organisation in Animals**

**DPP No. : 1**

- If the cuboidal epithelium turns out to have microvilli on it, what will it be called?
  - Ciliated columnar epithelium
  - Pseudo ciliated epithelium
  - Both (1) and (2)
  - Brush border epithelium
- Cuboidal or columnar epithelium specialized for secretion are called.....
  - ciliated epithelium
  - glandular epithelium
  - Both (1) and (2)
  - none of these
- Reproductive cells (germinal epithelium) are made up of which of the following epithelial tissue
  - Cuboidal
  - Columnar
  - Squamous
  - Sensory
- When collagen fibres are removed from the areolar tissue
  - Tissue becomes hard
  - Tissue becomes loose and elastic
  - Tissue becomes hard and inelastic
  - Remains unchanged
- Assertion** : Pinna of ear is elastic in nature.  
**Reason** : Hyaline cartilage present in pinna.  
Read the **Assertion** and **Reason** carefully to mark the correct option out of the options given below:
  - Both **Assertion** and **Reason** are true and the **Reason** is the correct explanation of the **Assertion**.
  - Both **Assertion** and **Reason** are true but **Reason** is not the correct explanation of the **Assertion**.
  - Assertion** is true but **Reason** is false.
  - Both **Assertion** and **Reason** are false
- Cartilage is present at following locations except
  - Tip of nose
  - outer ear joints
  - Between adjacent bones of vertebral column
  - Central part of bones in limbs and hands in adult.



7. The ciliated columnar epithelial cells in humans occur in  
(1) Eustachian tube and stomach lining  
(2) bronchioles and fallopian tubes  
(3) bile duct and oesophagus  
(4) fallopian tubes and urethra
8. Mast cells are associated with  
(1) exocrine glands  
(2) endocrine glands  
(3) areolar connective tissue  
(4) neural tissue
9. The chondrocytes of connective tissue are  
(1) fibre secreting cells  
(2) bone forming cells  
(3) cartilage cells  
(4) bone eating cells
10. Tendons and ligaments are the examples of  
(1) areolar connective tissue  
(2) adipose tissue  
(c) dense regular connective tissue  
(4) loose connective tissue
11. In all connective tissues, except which of the following, the cells secrete fibres of collagen or elastin protein ?  
(1) Bone  
(2) Cartilage  
(3) Areolar connective tissue  
(4) Fluid connective tissue
12. The fibres of which of the following muscles are fusiform and do not show striations  
(1) Skeletal muscles  
(2) Cardiac muscles  
(3) Both (1) and (2)  
(4) Smooth muscles
13. Neuroglia are  
(1) excitable cells of neural tissue.  
(2) supporting and non-excitable cells of neural tissue.  
(3) two to three times in volume of neural tissue.  
(4) protective and excitable cells of neural tissue
14. Which one of the following pairs of structures distinguishes a nerve cell from other types of cell ?  
(1) Vacuoles and Fibres  
(2) Flagellum and Medullary sheath  
(3) Nucleus and Mitochondria  
(4) Cell body and Dendrites

15. Which of the following statement(s) is/are correct regarding compound epithelium ?
- (1) It is made of more than one layer of cells and thus has a limited role in secretion and absorption.
  - (2) Their main function is to provide protection against chemical and mechanical stresses.
  - (3) They cover the dry surface of the skin, moist surface of buccal cavity, pharynx, inner lining of ducts of salivary glands and pancreatic ducts.
  - (4) All of the above
16. Assertion : Connective tissues are most abundant and help in linking and supporting other tissues organ of the body.  
Reason : In all connective tissues except blood the cells secrete collagen or elastin.  
Read the **Assertion** and **Reason** carefully to mark the correct option out of the options given below:
- (1) Both **Assertion** and **Reason** are true and the **Reason** is the correct explanation of the **Assertion**.
  - (2) Both **Assertion** and **Reason** are true but **Reason** is not the correct explanation of the **Assertion**.
  - (3) **Assertion** is true but **Reason** is false.
  - (4) Both **Assertion** and **Reason** are false
17. Assertion : Cartilage (protein matrix) and bone (calcium matrix) are rigid connective tissue.  
Reason : Blood is connective tissue in which plasma is the matrix  
Read the **Assertion** and **Reason** carefully to mark the correct option out of the options given below:
- (1) Both **Assertion** and **Reason** are true and the **Reason** is the correct explanation of the **Assertion**.
  - (2) Both **Assertion** and **Reason** are true but **Reason** is not the correct explanation of the **Assertion**.
  - (3) **Assertion** is true but **Reason** is false.
  - (4) Both **Assertion** and **Reason** are false
18. In which one of the following preparations, cell junctions come across most frequently ?
- (1) Ligament
  - (2) Tendon
  - (3) Cartilage
  - (4) Ciliated epithelium
19. Non-ciliated simple columnar epithelium often contains \_\_\_\_\_, which increase the surface area for secretion and absorption.
- (1) flagella
  - (2) collagen fibres
  - (3) microvilli
  - (4) all of these
20. What are the three basic components of connective tissues?
- (1) Ground substance, cells and basement membrane
  - (2) Cartilage, intercellular matrix and serum
  - (3) Cells, protein fibers and ground substance
  - (4) Collagen, elastin and reticular fibers