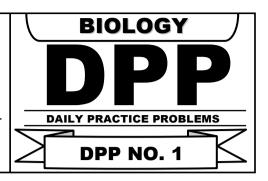


TARGET: NEET (UG) 2024

Course: SARANSH (Youtube Live CRASH COURSE)



ZOOLOGY: Structural organisation in Animals

DPP No.: 1

- 1. If the cuboidal epithelium turns out to have microvilli on it, what will it be called?
 - (1) Ciliated columnar epithelium
 - (2) Pseudo ciliated epithelium
 - (3) Both (1) and (2)
 - (4) Brush border epithelium
- 2. Cuboidal or columnar epithelium specialized for secretion are called......
 - (1) ciliated epithelium
 - (2) glandular epithelium
 - (3) Both (1) and (2)
 - (4) none of these
- 3. Reproductive cells (germinal epithelium) are made up of which of the following epithelial tissue
 - (1) Cuboidal
- (2) Columnar
- (3) Squamous
- (4) Sensory
- 4. When collagen fibres are removed from the areolar tissue
 - (1) Tissue becomes hard
 - (2) Tissue becomes loose and elastic
 - (3) Tissue becomes hard and inelastic
 - (4) Remains unchanged
- **5. 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:

- (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
- **6.** Cartilage is present at following locations except
 - (1) Tip of nose
 - (2) outer ear joints
 - (3) Between adjacents bones of vertebral column
 - (4) Central part of bones in limbs and hands in adult.



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- 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 distinguishe 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 aboundant 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



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