

# Epithelial Tissue-1

MCQ

Reference :

Dr. Hanan Jafar's Slides

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1 – which of following is considered as an epithelial tissue feature :

- A. polyhedral cell.
- B. avascular cells.
- C. the major construction of the tissue is ECM.
- D. A and B are correct

Answer: D

2 – one of following is a function of epithelial tissue :

- A. may act as contractile cells
- B. specialized sensory cells
- C. absorption
- D. all of the above are correct

Answer: D

3 - the ducts of the glands are formed by :

- A. epithelial tissue
- B. connective tissue
- C. it depends on the type of the gland
- D. none of the above

Answer: A

4- lamina propria is :

- A. muscular tissue
- B. connective tissue
- C. epithelial tissue
- D. nervous tissue

Answer: B

5- the main subunits of microvilli are :

- A. Microtubules
- B. Actin filaments
- C. Intermediate filaments
- D. A and C

Answer: B

6- stereocilia are :

- A. Highly motile
- B. Composed of microtubules
- C. Have very high secretion function
- D. Longer than microvilli

Answer: D

7- the surface structure of intestinal cells is called :

- A. Brush border
- B. Straited border
- C. It doesn't have a name
- D. A and B can be right

Answer: B

8- axoneme is :

- A. The core structure of cilium
- B. The two central microtubules of cilium
- C. The 9+2 assembly of microtubules
- D. None of the above

Answer: C

9- nexin molecules :

- A. Are extend from A microtubule and make temporary cross-bridges with the B microtubule
- B. Connect the microtubules triplets with each other to form a ring
- C. Bind with actin filaments
- D. None of the above

Answer: B

10- stereocilia and microvilli :

- A. Have the same length
- B. Contain microfilaments
- C. Have the same diameters
- D. B and C are correct

Answer: D

11- papillae :

- A. Occur most frequently in epithelial tissue to increase absorption
- B. Increase the area of contact between epithelial and connective tissue
- C. Projecting from the epithelium into connective tissue
- D. All of the above are correct

Answer: B

12- basal lamina :

- A. Is the same as the basement membrane
- B. Is secreted by both epithelial and connective tissue
- C. It consists of a network of fine fibrils
- D. All of the above are wrong

Answer: C

13- laminin is :

- A. Short proteoglycans
- B. Large glycoproteins
- C. A component of basal lamina
- D. B and C

Answer: D

14- anchoring fibrils

- A. Are produced by reticular lamina
- B. Link the basal lamina with reticular fibers
- C. Represent polymers of type VII collagen
- D. All of the above are correct

Answer: D

15- which of these junctional complexes form a band between adjacent cells :

- A. Tight junctions
- B. Adherent junctions
- C. Gap junctions
- D. A and B only

Answer: D

16- which of these junctional complexes mediate intercellular communication :

- A. Tight junctions
- B. Adherent junctions
- C. Gap junctions
- D. Desmosomes

Answer: C

17- cell adhesion is mediated by :

- A. Microtubules
- B. Cadherins
- C. Connexins
- D. None of the above

Answer: B

18- the cytoplasmic ends of cadherins bind to

- A. Actin filaments
- B. Another cadherins with the presence of  $Ca^{++}$
- C. Intermediate filaments
- D. Catenins

Answer: D

19- catenins - that bind to the cytoplasmic ends desmosomes - bind to :

- A. Intermediate filaments
- B. Actin filaments
- C. Microtubules
- D. None of the above

Answer: A

20- the main subunits that form gap junctions are :

- A. Cadherins
- B. Claudin
- C. Connexins
- D. Zo-1 and Zo-2

Answer: C

21- the major function of hemidesmosomes is :

- A. Intercellular communication
- B. Anchoring cytoskeleton to the basal lamina
- C. It doesn't have a function
- D. None of the above is correct

Answer: B