

2017 Histology Midterm Exam.

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1- Wrong about cilia?

- a- The core is called axoneme.
- b- The neighboring doublet consists of longitudinal microtubules 9+2
- c- Causes celiac disease.
- d- The neighboring doublet connects with nexin

2- What is considered a clearing reagent?

- a- Xylene.
- b- Formaldehyde.
- c- Ethyl alcohol.
- d- Hematoxylin
- e- Paraffin wax

3- The movement of the substances to and from connective tissue is regulated by?

- a- Apical domain of epithelial tissue.
- b- Basal domain of epithelial tissue.
- c- Basal lamina.

4- Which statement is incorrect about myoepithelial cells?

- a- They are called basket cells.
- b- They contract when stimulated.
- c- They don't contain myosin and actin.

d- Fusiform, stellate in shape.

5- Location of stratified squamous cells keratinized?

a- Lungs

b- Esophagus

c- Epidermis of the skin.

6- Example of merocrine glands?

a- Salivary glands.

b- Mammary glands.

c- Sebaceous glands.

d- Ceruminous glands.

7- Which of the following is incorrect about goblet cells?

a- The apical part of the cell has secretory granules that contain serous secretion.

b- Can be found in gastrointestinal and respiratory tract.

c- Protects and lubricates many internal body surfaces.

d- Nucleus located in the base.

8- In which cells are lysosomes abundant?

a- Red blood cells.

b- Phagocytic cells.

c- Pancreatic cells.

9- Which of the following has serous secretions?

a- Sublingual gland.

b- Submandibular glands

c- Pyloric glands of the stomach.

d- Parotid salivary glands.

e- None of the above.

10- The most common junction in epidermis?

a- Zonula occludens.

b- Gap junctions

c- Desmosomes.

d- Adherens Hemidesmosomes.

11- Which of the following isn't correctly matched?

a- Microvilli .. extensions of the plasma membrane.

b- Striated border .. ciliated simple columnar epithelium.

c- Basal surface infoldings .. proximal and distal tubules of the kidney.

d- Stereocilia .. found in epididymis.

12- Type of epithelium in mucous glands of colon?

Tubular.

13- Wrong about goblet cells?

Serous secretions.

14- The correct statement about Kartagener syndrome?

Causes immotile spermatozoa leading to infertility.

15- Mesothelium is present in?

Peritoneum

16- Wrong about ribosomes?

Do not have membranes.

17- Definition of external lamina?

Basal lamina of non-epithelial cells.

18- Target for Helicobacter Pylori?

ZO-1 protein.

19- Type of tissue in upper respiratory tract?

Ciliated Pseudostratified columnar epithelium with goblet cells.

20- Where does the paracellular pathway occur?

Across the Zonula occludens.

- 21- Wrong about hemidesmosomes?
Anchoring adjacent cells together.**
- 22- Where can we find simple coiled tubular?
Sweat glands.**
- 23- What is incorrect about tight junctions?
Major proteins are occludins ZO (1,2,3) and cadherins.**
- 24- Lining of urinary bladder?
Transitional epithelium.**
- 25- One of the following is wrong about fixation?
Removal of extractable water from tissue.**
- 26- Location of compound acinar glands?
Exocrine pancreatic glands.**
- 27- What does PAS react with?
Sugar of proteoglycans.**
- 28- Where can you find connexins?
Gap junctions.**
- 29- What lines the gastrointestinal tract?
Non-ciliated simple columnar.**

Best of luck