

Which feature is unique to the exocrine pancreas?

Select one:







- a. Insulin secreting beta cells.
- b. Predominately mixed mucous secreting cells.
- c. Serous demilunes.
- d. Striated intralobular ducts.
- e. Centroacinar cells.

(E)

16) Which of the following cell types is present in the gastric glands of the pyloric stomach?







Select one:

- A) Chief cells
- B) Goblet cells
- C) Parietal cells
- D) Mucous neck cells
- E) Paneth cells



9. Which one of the following is the CORRECT statement?

- a. The parotid gland is a seromucous gland
- b. The striated ducts of the salivary glands are intralobular.**
- c. Von-Ebner's glands are major salivary glands
- d. The myoepithelial cells are few around mucous acini
- e. Serous acini have vacuolated cytoplasm



2) Where is the liver located in the human body?

Select one:

- A) Above the abdominal cavity
- B) Beside pancreas
- C) In the right hypochondriac
- D) Beside heart
- E) Beside kidney

48) Which of the following statements is INCORRECT?

Select one:

- A) The enterocytes form the intestinal mucosal barrier
- B) The brush border increases the intestinal mucosal surface area tenfold
- C) Intestinal entero-endocrine cells secrete various enzymes to assist in the absorption of nutrients
- D) Microfold cells sample antigens from the intestinal lumen and deliver them to MALT
- E) Renewal of the intestinal mucosal cells relies on stem cells reside at the base of the crypts of Lieberkühn

61) Which of the following statements concerning liver sinusoids is TRUE?

Select one:

- A) They deliver blood to the central vein
- B) They are surrounded with bile canaliculi
- C) They drain blood into the portal vein
- D) They are surrounded by a well-developed basal lamina
- E) They are lined by porous hepatocytes

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36. Regarding Kupffer cells, choose the CORRECT statement?

- a. Their cytoplasm is rich in lysosomes
- b. They store vitamin A
- c. Present in the space of Disse
- d. Originate from undifferentiated mesenchymal cells (UMC)
- e. They are flat cells with many fenestrae

57. Which of the following is the CORRECT statement?

- a. The peptic cells of the gastric glands contain intracellular canaliculi
- b. Paneth cells secrete intestinal hormones
- c. Goblet cells secrete mucus to protect the gastric mucosa
- d. M-cells are antigen presenting cells
- e. The enteroendocrine cells are characterized by apical secretory granules

76. In chronic liver injury resulting from various insults these cells are activated and gain myofibroblastic features then they cause collagen deposition and hepatic fibrosis. Which of the following are these cells?

- a. Bile duct cells
- b. Endothelial cells
- c. Hepatocyte
- d. Stellate cell
- e. Kupffer cells

78. Secretin hormone causes?

- a. increase HCL passage to the duodenum
- b. Decrease intestinal mucus

1. Where are striated muscles found?

Pharynx-esophagus junction

- c. Decrease insulin hormone
- d. Increase Na Hco₃ secretion

Decrease Gastric functions

1) Which of the following statements concerning liver sinusoids is TRUE?

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3- M-cells is characterized by following Except:

A- Overly the lymphoid follicles of Peyer's patches

B- Their basal lamina invaginations is in contact with macrophages and lymphocytes

C- They are consider as antigen- presenting cells

D- They secrete lysozyme with antibacterial activity

E- They are squamous- like cells with microfolds on their surface

All of the following are true about zone I in hepatic acinus EXCEPT?

Select one:

- a. The closest to the blood vessels.
- b. The last to show ischemic necrosis.
- c. Excellent content of nutrients.
- d. The first to regenerate.
- e. The last to be affected after bile duct occlusion.

(E)

16. A 35 year old man suffers from anemia, lab investigation proved to be pernicious anemia. This type of anemia may be due to? Select one

a Damage of oxyntic cells.

b. Insufficient HCL secretion c Lack of enteroendocrine cells

d. Atrophy of lingual papillae e Impairment of peptic cells

3- Which pairing is **Incorrect**:

A- Peyer's patches / ileum

B- Teniae coli / large intestine

C- Column's of Morgagni / appendix

D- Duodenum / Brunner's gland

E- Plica circularis / small intestine

25. A 38-year-old woman has a history of chronic alcohol abuse. She is a known case of rheumatoid arthritis and has been taking over the counter pain killers for the past 5 years. She has developed increasing malaise and nausea for the past week. On physical examination she displays disturbances in consciousness. No abdominal pain or tenderness. Blood tests revealed transaminases. Which of the following zones/ regions is the most susceptible to this type of injury? Select one

a Zone I

b Periportal zone

c. Zone II

d. a midlobular region

e. Zone III

50. Which of the following statements is INCORRECTLY matched?

A . the lingual tonsil is covered with non-keratinized stratified squamous epithelium

B . the oxyntic cells are located mainly at the base of the fundic glands

C . the peptic cells are basophilic due to its abundant content of rough endoplasmic reticulum

D . the musculosa of the pylorus is thicker than the fundus and is formed of two layers

E . the filiform papillae are the most common lingual papillae and are lacking taste buds

All of the following regarding the ileum is correct EXCEPT?

Select one:

a. Meissner's plexus regulates the function of the epithelial cells and smooth muscles of the mucosa.

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b. The epithelium lining lacks goblet cells.

c. The mucosa associated lymphoid nodules are observed in its wall.

d. The intestinal glands (crypts of Lieberkuhn) contain lysozyme secreting cells at the base of the glands.

e. The musculosa comprises of inner circular and outer longitudinal layers.

(B)

4. Which of the following is the CORRECT statement?

- a Meissner's plexus is called the myenteric autonomic plexus
- b. Brunner's glands are serous glands C The colonic mucosa has adipose pouches called appendices epiploicae
- d. Peyer's patches are lymphatic aggregations in the ileum**
- e. The lingual glands are serous glands associated with circumvented papillae

18. Which one of the followings is the INCORRECT match? Select one

- a Striated ducts ///lined with acidophilic low columnar cells
- b. Main salivary duct //lined with simple columnar ciliated epithelium**
- c Intercalated ducts/// lined with flat squamous cells
- d Main pancreatic duct ///lined with columnar goblet and enteroendocrine cells
- e Gall bladder //lined with simple columnar cells with brush border

24. What is the principal cell type involved in scar deposition, fibrosis and then cirrhosis as a reaction to chronic liver injury? Select one

- a Bile duct cells
- b Endothelial cells
- C Hepatocyte
- d Stellate cell**
- e. Kupffer cells

1- Myoepithelial cells (one is correct):

A- Are usually found outside the acinar basal lamina

B- Are not controlled by autonomic nervous system

C- Prevent salivary acini distension during secretion

D- Are secretory cells

E- Well defined only around serous acini

2- The fundic gland is lined by all the following **Except**:

A- Mucous neck cells

B- Paneth cells

C- Oxyntic cells

D- Chief cells

E- Neuroendocrine cells

4- Which description **is true** of the bile canaliculi?

A- Are bordered directly by endothelial cells

B- Contents flow toward the central vein

C- Are surrounded by the hepatic sinusoids


D- The sides of bile canaliculi are closed by tight junctions

E- Normally contain blood plasma

Patho

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- 1- Vermilion zone is characterized by the following **Except**:
- A- Highly vascular dermal connective tissue papillae
 - B- Devoid of sweat gland
 - C- Rich with hair follicles and sebaceous glands
 - D- Is the junction of the inner and outer surface of the lip
 - E- Richly supplied with free nerve endings
- 2- One of the following is **False** concerning the peptic cells:
- A- Found in the base of fundic glands
 - B- Numerous smooth endoplasmic reticulum (sER)
 - C- Supranuclear Golgi apparatus
 - D- Apical secretory granules

45. Choose the INCORRECT match?

- a. Columns of Morgagni - non-keratinized stratified squamous epithelium..
- b. Internal anal sphincter -ring of smooth muscles
- c. Foliate papillae - Von-Ebner's glands in lamina propria
- d. Lip margin rich sensory innervation
- e. Esophageal musclosa - upper 1/3 is striated muscles

Which one of the following statements is CORRECT?

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Select one:

- a. The striated ducts secrete hypertonic fluid into the saliva.
- b. Von-Ebner's glands are found in lamina propria of Filiform papillae.
- c. The taenia coli form three bundles of longitudinal muscles on the outside of appendix.
- d. Kupffer cells are involved in breakdown of aged erythrocytes.
- e. Secretion of the chief cells of the gastric glands is essential for absorption of vitamin B12.

(D)

The space of Disse has the following structures EXCEPT?

Select one:

- a. Reticular fibers.
- b. Microvilli of hepatocytes.
- c. Endothelial cells. ...

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- d. Fat storing cells.
- e. Blood plasma.

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