

Ans

C(1

a(2

e(3

e(4

a(5

C(6

d(7

a(8

d(9

E (1

c (1

c (1

e (1

c (1

b (1

A (1

b (1

a (1

c (1

d (2

d (2

B (2

d (2

b (2

a (2

c (2

27)C

:A smooth surfaced system of tubules and vesicles is associated with

A) chief cell

B) paneth cell

C) oxyntic cell

D) mucous neck cell

Which of the following cells does NOT belong to the mucosa of the stomach?

A) paneth cells

B) Goblet cells

C) oxyntic cells

D) chief cells

:Q3. Which of the following cells line the gastric pit of the gastric

A) chief cells

B) oxyntic cells

C) surface

D) mucous cell

E) APUD cells

Q4. whose muscularis externa contains The part of the esophagus whose :muscular smooth muscle only is

A) the pharango-esophageal region

B) Distal region

C) central region

D) any region

:Q5*The pyloric gland is lined mainly with .

A) mucous secreting cells

B) oblet cells

c) paneth cells

D) chief cells

:Q6*Mucous secretion of the stomach is produced by .

a) surface epithelial cells

Ar

c(1)

a(2)

e(3)

e(4)

a(5)

c(6)

d(7)

a(8)

d(9)

E

c

c

e

c

b

A

b

a

c

d

d

B

d

b

a

c

27)C

b) goblet cells

C) mucous neck cells

D) choices a &c

E) choices b&c

Q7. The surface of the esophagus is protected from the acidity of the stomach by

A) Mucous secreted by the mucous neck cell

B) mucous secreted by the goblet cells

C) mucous secreted by the esophageal cardiac glands

D) secretion of the submucosal esophageal gland

Q8*The characteristic ultrastructural features of chief cells are the following EXCEPT

a) basal rER

b) supra-nuclear Golgi complex

C) Many mitochondria

D) many lysosomes

E) apical secretory granules

:Q9. Enteroendocrine cells of the stomach secrete all the following EXCEPT

- a) serotonin
- b) gastrin
- c) histamine
- d) motilin

:Q10. Gastrin hormone

- A) stimulate HCl secretion
- b) proliferation of the stem cells of gastric glands
- C) stimulate gastric motility
- D) . all of the above
- E) none of the above

Q11* The absorptive surface of the small intestine is increased by the presence of all the

:following EXCEPT

- a) rugae
- b) microvilli
- C) plica circularis
- D) villie
- E) external folds

Q12. The most important characteristic Ultrastructural feature of parietal cells is :the presence of

- A) many mitochondria
- B) action filament
- C.) intracellular canaliculi
- d.) tubulo vesicular system
- e.) all of the above choices

:Q13. Plica circularis are

- A) Present in the stomach
- b) the valves of kercking

c) the inner circular muscle layer of small intestine

d) the outer longitudinal layer of large intestine

:Q14. The intestinal villi are lined with all the following cells EXCEPT

a) Absorptive columnar cell

B) goblet cells

C) paneth cells

D) enteroendocrine cells

:Q15. Peyer's patches are

a) lymphatic nodules in the duodenum

B) lymphatic nodules in the ileum

C) . mucous secreting glands in the oesophagus

d.) mucous secreting glands in the duodenum

:Q16. Which of the following is FALSE concerning the intestinal villi

- a) they are found in the large intestine
- b) they contain lacteals
- c) they contain smooth muscle fibers
- d) they are composed of epithelium and lamina propria

Q17. The turnover of the columnar absorptive cells of the small intestine occurs every

- a. 6 hours
- b. 24 hours
- C. 2 days
- d. 3-5 days
- e. 30-45 days

: ?Q18. Paneth cells are associated with which of the following glands

- a. pylori
- b. intestinal
- C. esophageal
- d. cardiac

Q19. The organelle which plays an important role in the absorption of lipid is

- a. lysosome
- b. smooth endoplasmic reticulum
- c. Golgi complex
- d. mitochondria

Q20. Which of the following statement about paneth cells is FALSE

- a. they secrete cryptins
- b. they secrete lysozyme
- c. they are found at the base of the intestinal glands
- d. they have deeply acidophilic cytoplasm with large eosinophilic granules

Q21. Which pairing is INCORRECT

- a. Peyers Patches / ileum
- b. Teniae Coli/large intestine
- c. Column's of Morgagni/appendix

d. Duodenum / Brunner's gland

:Q22. M cells are found in the

- a. esophagus
- b. pyloric stomach
- c. ileum
- d. gastric gland

:Q23. Brunner's gland is

- a. located in the submucosa of the duodenum
- b. secrete alkaline mucous
- c. secrete urogastron hormone d. all of the above
- e. none of the above

Q24. The duodenal mucosa is protected from the HCl coming from the stomach
:by

- a. mucous secretion of the goblet cells
- b. mucous secretion of Brunner's gland
- C. lysozyme secreted by the paneth cells
- d. bile secreted by the liver

Q25. The longitudinal muscle of the muscularis externa is concentrated into 3 bands in the

- a. stomach
- b. appendix
- C. colon
- d. jejunum

Q26. Which immunoglobulin is most abundant in saliva

- a. IgE
- b. IgM
- C. IgA
- d. IgG

:Striated cells of the striated salivary ducts are so called due presence of .027

- a. apical brush border
- b. apical cilia
- c. basal striation
- d. basal rER

:Q28. The cells of serous acini at E/M level show the features of

- a. steroid hormone secreting cells
- b. ion-transport cells
- c. protein synthesis cells
- d. diffuse neuroendocrine cells

:Q29. Parotid gland is a

- a. compound tubular gland
- b. compound tubulo-alveolar gland

C. compound alveolar gland

d. branched alveolar gland

:Q30. All of the following are characteristic of the salivary glands EXCEPT

b. The smallest diameter ducts are the intercalated ducts

C. The C.T plasma cell secrete IgA

d. Their main ducts open into the mouth cavity and are lined with stratified cuboidal epithelium

:Q31. Sublingual gland is a

a. branched tubuloalveolar gland

b. produce 5% of the salivary volume

C. contain both mucous and serous cells (mostly mucous)

d. all of the above

e. none of the above

:Q32. Basket cells

- a. surrounding the serous and mucous acini
- b. stellate in shape with long process
- C. rich with actin microflament and myosin
- d. is a myoepithelial cells
- e. all of the above choices

Q33. Von Ebner's glands are associated with

- a. gastric mucosa
- b. foliate papillae
- C. cardiac region of the stomach
- d. circumvalalte papillae
- e. choices b&d

?Q34. Which of the gland listed below is mixed but predominant serous

- a. parotid

- b. human submandibular gland
- c. human sublingual gland
- d. pancreas

:Which part of the duct system contains long mitochondria *35.

- a. main excretory duct
- b. interlobular duct
- c. striated duct
- d. intercalated duct

:Myoepithelial cells are present in the following EXCEPT*36 .

- a. Parotid gland
- b. Human sublingual glands
- c. Pancreas
- d. Submandibular glands of dog

:Serous demilunes*37 .

- a. produce IgA
- b. border directly on salivary mucous acini
- c. occur only in pancreatic acini
- d. Secrete lysozyme

:Myoepithelial cells *38.

- a. are usually found outside the acinar basal lamina
- b. are not controlled by the autonomic nervous system
- c. prevent salivary acini distension during secretion
- d. well defined around the pancreatic acini

Saliva contains*39 .

- a. amylase
- b. secretory IgA
- c. lysozyme

d. lactoferrin

e. all of the above

:The salivary duct that is lined with ion transporting cell is named*40 .

A intercalary duct

b. striated duct

c. the introbular duct

d. none of the above

:The esophagus is characterized by the following EXCEPT*41 .

a. lined with non-keratinized st. sq. ep

b. has two types of glands, mucosal and sumucosal

c. the msucularis externa is formed of only striated muscle d. its musclaris mucosa is formed of smooth muscle fibers

:Auerbach's plexus of the stomach is found in*42 .

a. lamina propria

b. Submucosa

C. Muscularis externa

d. Serosa

:The fundic gland is lined by all the following cells EXCEPT*43 .

a. mucous neck cells

b. Chief cells

c. Oxyphil cells

d. Argentoffin cells

e. Stem cells

:Chief cells of the fundic glands secrete all the following EXCEPT*44 .

a. pepsinogen

b. renin

c. rennin

d. lipase enzymes

:The parietal cells*45 .

- a. with E/M they show intracellular canaliculus
- b. Secrete Hcl
- c. Secrete the intrinsic factor
- d. All the above choices

Which of the following cell types is present in the gastric glands of the pyloric *46
:mucosa

- a. goblet cell
- b. mucous neck cell
- c. paneth cell
- d. chief cell

:The mucosal glands of the fundus of the stomach*47 .

- a. are simple branched tubular glands

- b. resemble those in the body of the stomach
- c. have more parietal cells in the upper half than in their basal half
- d. have shallower pits than in the pyloric region
- e. All of the above

:The outer surface of the lip is covered by *48

- a. Thick skin
- b. Thin skin with no hair follicles
- c. Thin skin with no sebaceous glands
- d. Thin skin with hair follicles, sebaceous & sweat glands
- e. Modified skin

?Which of the followings characterize the shape of fungiform papillae . *49

- a. They have wide base and pointed apex
- b. They have constricted base and broad apex
- c. They have constricted base surrounded by deep groove
- d. They have parallel ridges
- e. They are conical structures rich in taste buds

Answers

C .1

B .2

C .3

B .4

A .5

D .6

C .7

D .8

D .9

D .10

A .11

E .12

B .13

C .14

B .15

A .16

C .17

B .18

B .19

D .20

C .21

C .22

A .23

B .24

C .25

C .26

C .27

C .28

B .29

D .30

- D .31
- E .32
- E .33
- B .34
- C .35
- C .36
- D .37
- C .38
- E .39
- B .40
- C .41
- C .42
- C .43
- B .44
- D .45
- B .46
- E .47
- D .48
- B .49

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