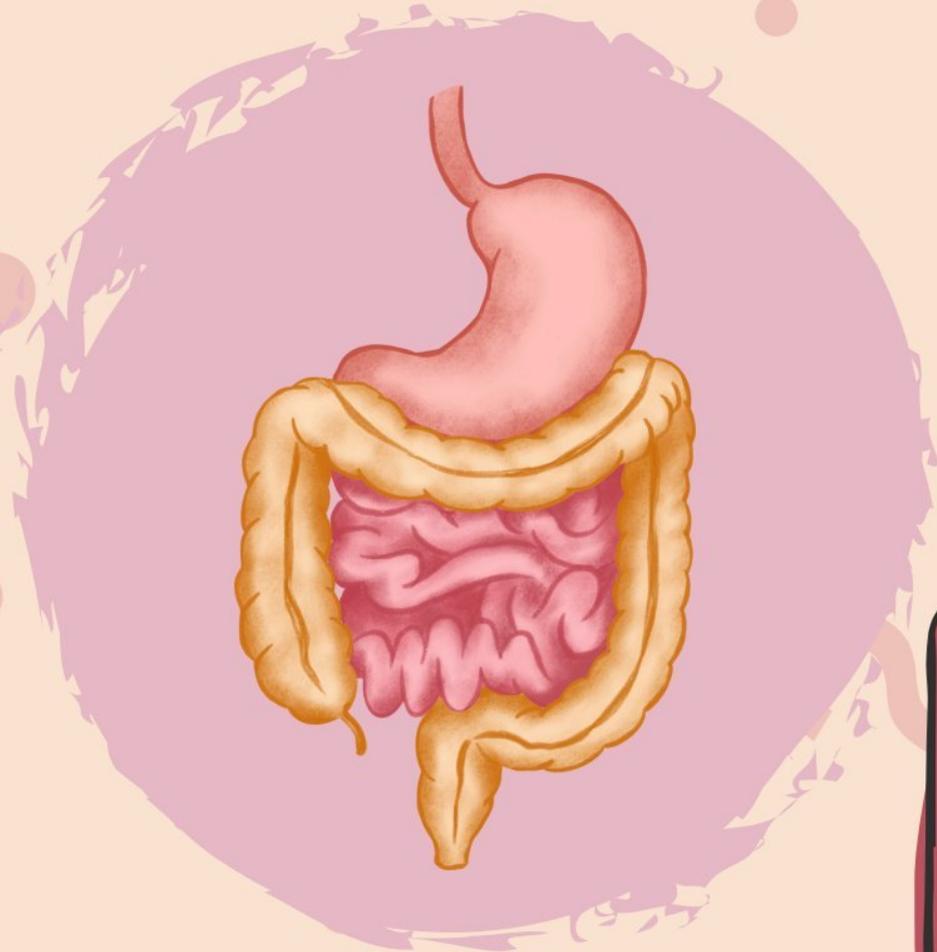


Level (3) - Semester (5)

HISTOLOGY



GIT - MCQ (1)

DR M. YUSUF

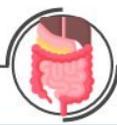


LECTURE 1

ESOPHAGUS & STOMACH

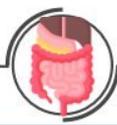
<p>1) Musculosa of esophagus is formed of:-</p> <ul style="list-style-type: none">a) Smooth muscle fibers in the upper $1/3^{\text{rd}}$b) Striated muscle fibers in its lower $1/3^{\text{rd}}$c) Striated muscle fibers in its all lengthd) Mixed muscle fibers in its middle $1/3^{\text{rd}}$e) Smooth muscle fibers in the middle $1/3^{\text{rd}}$	D
<p>2) The fundic gland:-</p> <ul style="list-style-type: none">a) Is branched alveolar glandb) Is narrow, straight and longc) Is perpendicular to each other'sd) Its duct occupies $1/2$ the coriume) Is mainly formed of mucous cells	B
<p>3) Parietal cell:-</p> <ul style="list-style-type: none">a) Lies on basement membrane but not reach the lumen of the glandb) Present mainly in the base of intestinal glandc) Is flat in shaped) Its cytoplasm is deeply basophilice) Is rich in rER	A
<p>4) The absent cell from fundic gland is:-</p> <ul style="list-style-type: none">a) Chief cellsb) Oxyntic cellsc) Entero-endocrine cellsd) Goblet cellse) Mucous neck cells	D
<p>5) The esophageal glands are present at:-</p> <ul style="list-style-type: none">a) Mucosab) Submucosac) Serosad) Muscle Layere) Adventitia	B





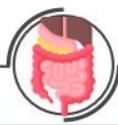
<p>6) As regards peptic cells (One is wrong):-</p> <ul style="list-style-type: none"> a) It is columnar in shape b) It is rich in rER and prominent Golgi c) Contain apical zymogen granules d) Has central oval nucleus e) Secrete pepsinogen & rennin 	D
<p>7) The granules stained with silver (Argentaffin granules) are at:-</p> <ul style="list-style-type: none"> a) Chief cells b) Oxyntic cells c) Entero-endocrine cells d) Goblet cells e) Mucous neck cells 	C
<p>8) HCL secreting cell is:-</p> <ul style="list-style-type: none"> a) Chief cells b) Oxyntic cells c) Enter-endocrine cells d) Goblet cells e) Mucous neck cells 	B
<p>9) The absent cell from pyloric gland is:-</p> <ul style="list-style-type: none"> a) Surface epithelial cells b) Undifferentiated columnar epithelial cells c) Entero-endocrine cells d) Peptic cells e) Mucous secreting cells 	D
<p>10) The esophagus is lined with:-</p> <ul style="list-style-type: none"> a) Stratified squamous keratinized epithelium b) Stratified squamous non-keratinized epithelium c) Stratified columnar epithelium d) Simple columnar epithelium e) Pseudostratified columnar epithelium 	B
<p>11) The cells which secrete intrinsic factor are:-</p> <ul style="list-style-type: none"> a) Surface epithelium b) Entero- endocrine cells c) Parietal cells d) Mucous neck cells e) Peptic cells 	C





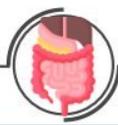
<p>12) All of the following is true about musculosa of esophagus except:-</p> <ul style="list-style-type: none"> a) Upper part of esophagus: Striated muscle fibers b) Mid part: Mixed striated & smooth muscle fibers c) Distal end: Only smooth muscle fibers d) Upper part of esophagus: Smooth muscle fibers e) Lower part of esophagus: Striated muscle fibers 	D
<p>13) Which is the main part of the stomach and forming the middle 2/3 of it:-</p> <ul style="list-style-type: none"> a) Fundic region b) Body of stomach c) Pyloric antrum d) Cardiac region e) Pyloric canal 	B
<p>14) Epithelium of mucosa of stomach is:-</p> <ul style="list-style-type: none"> a) Simple squamous b) Stratified squamous c) Simple cubical d) Simple columnar secretory e) Simple columnar absorptive 	D
<p>15) Fundic glands present in:-</p> <ul style="list-style-type: none"> a) Corium of mucosa b) Muscularis mucosa c) Submucosa d) Serosa e) Musculosa 	A
<p>16) Duct of fundic gland occupy:-</p> <ul style="list-style-type: none"> a) 3/4 of corium b) 1/4 of corium c) 1/2 of corium d) 2/3 of corium e) 1/3 of corium 	B
<p>17) Which of the following lining cells of fundic glands is triangular in shape:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Surface epithelium c) Mucous neck cells d) Parietal cells e) Entero-endocrine cell 	D





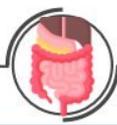
<p>18) Which cell protect stomach against HCL:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Surface epithelium c) Parietal cells d) Entero endocrine cells e) Undifferentiated cells 	B
<p>19) Which cell has deep acidophilic cytoplasm:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Surface epithelium c) Parietal cells d) Entero endocrine cells e) Mucous neck cells 	C
<p>20) Entero endocrine cells of fundic glands secrete:-</p> <ul style="list-style-type: none"> a) Motilin b) Insulin c) Serotonin d) Adrenaline e) Gastrin 	C
<p>21) Pyloric glands:-</p> <ul style="list-style-type: none"> a) Occupy 1/2 corium b) Parallel to each other c) Perpendicular to the surface d) Straight e) Numerous 	A
<p>22) As regards layers of esophagus, which is true:-</p> <ul style="list-style-type: none"> a) Epithelium is stratified squamous keratinized b) Muscularis mucosa is inner longitudinal and outer circular c) Submucosa contains mucous glands d) Musculosa is formed of 3 layers e) Serosa covers the wall except lower part 	C
<p>23) About esophagus, one is true:-</p> <ul style="list-style-type: none"> a) Epithelium is simple squamous b) Adventitia formed of 2 layers c) Corium contains esophageal glands d) Musculosa is formed of 2 layers e) Serosa covers the whole wall 	D





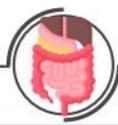
<p>24) As regard musculosa of esophagus, one is true:-</p> <ul style="list-style-type: none"> a) Upper third is smooth muscle b) Middle third is smooth muscle c) Lower third is smooth muscle d) Middle third is striated muscle e) Lower third is striated muscle 	C
<p>25) The followings is a feature of lamina propria (Corium) of esophagus:-</p> <ul style="list-style-type: none"> a) Formed of dense connective tissue b) Contains smooth muscle fibers c) Contains blood vessels d) Contains esophageal gland e) Contains striated muscle fibers 	C
<p>26) The submucosa contains glands in:-</p> <ul style="list-style-type: none"> a) Fundus of the stomach b) Pylorus of the stomach c) Esophagus d) Esophagus and fundus e) Fundus and pylorus 	C
<p>27) One is true about the wall of the fundus:-</p> <ul style="list-style-type: none"> a) Lamina propria contains no glands b) Its epithelium has 6 types of cells c) The musculosa is composed of 2 layers d) Its epithelium contains goblet cells e) Submucosa contain fundic gland 	B
<p>28) The fundic gland is characterized by:-</p> <ul style="list-style-type: none"> a) It is compound branched tubular gland b) It is wide and long c) It is straight and parallel to each other d) Its duct occupies 1 / 2 the corium e) It contains G cells for gastrin secretion 	C
<p>29) As regard peptic cell, one is true:-</p> <ul style="list-style-type: none"> a) It is triangular in shape b) It has basal basophilia c) Contain apical acidophilic zymogen granules d) Present in the neck of the fundic gland e) Secrete HCL 	B





<p>30) As regard parietal cell, one is true:-</p> <ul style="list-style-type: none"> a) Secretes intrinsic factor b) Found in pyloric gland c) Columnar in shape d) Its cytoplasm is deeply basophilic e) Contains basal oval nucleus 	A
<p>31) About chief cells, one is true:-</p> <ul style="list-style-type: none"> a) Secretes pepsinogen and rennin b) It is triangular in shape c) Its nucleus is central rounded d) Contains numerous mitochondria e) Has apical basophilia 	A
<p>32) About entero endocrine cells, one is true:-</p> <ul style="list-style-type: none"> a) Stained with silver stain b) By Hx & E it is pale acidophilic c) It contains apical cytoplasmic granules d) It secretes HCL e) Has basal flat nuclei 	A
<p>33) Which of the following cells is stem cell for fundic gland regeneration:-</p> <ul style="list-style-type: none"> a) Chief cells b) Oxyntic cells c) Entero endocrine cells d) Undifferentiated columnar cells e) Surface epithelial cells 	D
<p>34) Which of the following cells secrete acidic mucous:-</p> <ul style="list-style-type: none"> a) Chief cells b) Oxyntic cells c) Entero endocrine cells d) Undifferentiated columnar cells e) Mucous neck cells 	E
<p>35) As regard pyloric glands, one is true:-</p> <ul style="list-style-type: none"> a) They are longer than fundic glands b) They more numerous than fundic glands c) The duct is short and narrow d) The secretory portion is coiled e) Simple branched alveolar 	D





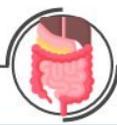
<p>36) What are mucous surface cells:-</p> <ul style="list-style-type: none"> a) Simple squamous epithelium b) Simple cuboidal epithelium c) Simple columnar epithelium d) Stratified squamous epithelium e) Transitional epithelium 	C
<p>37) Squamous non-keratinizing epithelium is found in:-</p> <ul style="list-style-type: none"> a) Esophagus b) Small intestine c) Large intestine d) Stomach e) Rectum 	A
<p>38) Pepsinogen secreting cell is:-</p> <ul style="list-style-type: none"> a) Parietal cell b) Chief cell c) Undifferentiated cell d) Entero endocrine cell e) Mucous neck cell 	B
<p>39) Which of the following is fundic gland cell with apical zymogen granules:-</p> <ul style="list-style-type: none"> a) Entero- endocrine cells b) Mucous neck cells c) Parietal cells d) Peptic cells e) Surface epithelial cells 	D
<p>40) Which of the followings best describes the layers of musculosa of the fundus of stomach:-</p> <ul style="list-style-type: none"> a) Completely absent b) One layer of smooth muscle fibers c) Two layers of smooth muscle fibers d) Three layers of smooth muscle fibers e) Four layers of smooth muscle fibers 	D
<p>41) Which cell in fundic gland incorporated in Secretion of intrinsic factor:-</p> <ul style="list-style-type: none"> a) Entero-endocrine cells b) Mucous neck cells c) Parietal cells d) Peptic cells e) Surface epithelium 	C





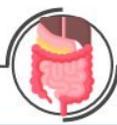
<p>42) What is the type of muscle layer in the upper third of the esophagus:-</p> <ul style="list-style-type: none"> a) Inner circular smooth muscle fibers b) Inner longitudinal smooth muscle fibers c) Mixed muscle fibers d) Outer longitudinal smooth muscle fibers e) Striated muscle fibers 	E
<p>43) The esophageal epithelium is:-</p> <ul style="list-style-type: none"> a) Secretory b) Excretory c) Protective d) Sensory e) Absorptive 	C
<p>44) What is the type of muscles in esophagus:-</p> <ul style="list-style-type: none"> a) Upper 1/3 smooth, middle 1/3 smooth, lower 1/3 mixture b) Upper 1/3 striated, middle 1/3 smooth, lower 1/3 mixture c) Upper 1/3 striated, middle 1/3 mixture, lower 1/3 smooth d) Upper 1/3 smooth, middle 1/3 smooth, lower 1/3 striated e) Upper 1/3 striated, middle 1/3 striated, lower 1/3 mixture 	C
<p>45) Which cell in the fundic gland responsible for renewal of its cells:-</p> <ul style="list-style-type: none"> a) Mucous neck cells b) Parietal cells c) Peptic cells d) Surface epithelium e) Undifferentiated columnar cells 	E
<p>46) Which cells form the mucous gastric barrier:-</p> <ul style="list-style-type: none"> a) Mucous neck cells & surface epithelium b) Parietal cells & surface epithelium c) Peptic cells & mucous neck cells d) Surface epithelium & peptic cells e) Undifferentiated columnar cells only 	A
<p>47) What is the site of the fundic gland:-</p> <ul style="list-style-type: none"> a) Corium b) Muscularis mucosa c) Musculosa d) Serosa e) Submucosa 	A





<p>48) What is the site of Meissner's plexus of nerves:-</p> <ul style="list-style-type: none"> a) Corium b) Musculosa c) Submucosa d) Serosa e) Muscularis mucosa 	C
<p>49) What is the site of Auerbach's plexus of nerves:-</p> <ul style="list-style-type: none"> a) Corium b) Musculosa c) Submucosa d) Serosa e) Muscularis mucosa 	B
<p>50) Cardiac glands are present at:-</p> <ul style="list-style-type: none"> a) Serosa b) Submucosa c) Musculosa d) Corium e) Muscularis mucosa 	D
<p>51) Which cell in gastric glands secretes rennin enzyme:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Parietal cell c) Mucous neck cell d) Entero-chromaffin cell e) D cell 	A
<p>52) Which cell in gastric glands secretes Somatostatin:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Parietal cell c) Mucous neck cell d) Entero-chromaffin cell e) D cell 	E
<p>53) Which cell in gastric glands secretes acidic mucous:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Parietal cell c) Mucous neck cell d) Entero-chromaffin cell e) Mucous secreting surface epithelium 	C





<p>54) Which cell in gastric glands secretes HCL:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Parietal cell c) Mucous neck cell d) Entero-chromaffin cell e) Mucous secreting surface epithelium 	B
<p>55) Which cell in gastric glands secretes serotonin:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Parietal cell c) Mucous neck cell d) Entero-chromaffin cell e) Mucous secreting surface epithelium 	D
<p>56) Which cell in fundic gland has apical unstained zymogen granules:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Parietal cell c) Mucous neck cell d) Entero-chromaffin cell e) Undifferentiated stem cell 	A
<p>57) Which cell in fundic gland has deep basophilic cytoplasm due to ribosomes:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Parietal cell c) Mucous neck cell d) Entero-chromaffin cell e) Undifferentiated stem cell 	E
<p>58) Which cell in fundic gland has foamy cytoplasm:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Parietal cell c) Mucous neck cell d) Entero-chromaffin cell e) Undifferentiated stem cell 	C
<p>59) Which cell in fundic gland has deep acidophilic (oxyntic) cytoplasm:-</p> <ul style="list-style-type: none"> a) Peptic cell b) Parietal cell c) Mucous neck cell d) Entero-chromaffin cell e) Undifferentiated stem cell 	B





60) Which cell in fundic gland has basal electron dense argentaffin granules:-

- a) Peptic cell
- b) Parietal cell
- c) Mucous neck cell
- d) Entero-chromaffin cell
- e) Undifferentiated stem cell

D

