



الطب والجراحة لجنة

Final exam – GI

دفعة نبض 2019

1. Formation of HCl in the stomach?

- a. Is the only function of parietal cell
- b. Does not occur in stomach lumen.
- c.** Leads to post prandial alkaline tide.
- d. Does not need carbonic anhydrase enzyme
- e. Under only nervous control.

2. Cholera like diarrhea caused by?

- a Giardia lamblia
- b. Schistosoma mansoni.
- C. Ascaris lumbricoides.
- d.** Cryptosporidium parvum.
- e. Balanhydium coli.

3. Metoclopramide and Domperidone: Which of the following is false?

- a. Both have antiemetic action
- b. Both have prokinetic action

c. Both increase cholinergic activity in gut wall d Both can cause galactorhea e. Both can cause acute dystonia

(D and E are both correct)

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

5. A 30-year-old man has complained of bloody and mucoid diarrhea for 3 months On physical examination he has no abdominal masses and mild diffuse lower abdominal tenderness Colonoscopy reveals an erythematous mucosa extending from the rectum to the splenic flexure Colonic biopsies reveal mucosal ulceration with crypt abscesses All of the following complications or extraintestinal manifestations are likely to develop except? Select one **answer is D**

a. a Toxic megacolon Ankylosing spondylitis

b. Colonic adenocarcinoma

c. primary sclerosing cholangitis

d. strictures and fissures

6. Regarding treatment of DIARRHEA all the following are facts of ADSORBENTS EXCEPT (Select one)

a They coat the walls of GIT

b. They bind with causative bacteria and taxn

c.They increase atsorption of digoxin and clindamycin

d. Examples activated chiarcoar and kaolin-pectin

increased bleeding times wen given with anticoagulant

7. One of the folowing is incorect about hepatic adenomas?

Select one

a Cessation of sex hormones could lead to tumor regression

b Expanding masses place a ppressure on the hepatic cape which may cause pain

c.the most common benign livier turmiors

They can present with intra-abdominal hemorrhage

The most comtnon ayniptorm is pian

8. Peptic ulcer is caused by the following except? Select one

a Presence of HP bacteria under the mucous layer

b Defect in mucous production

C Mucosal ischemia

d Excess PGs

e Very hot & spicy food

9. A 43-year-old man who presented with epigastric pain .on physical examination has no abdominal findings .On upper gi endoscopy a solitary sharply demarcated 2-mm shallow gastric antral ulcer is seen and the microscopic examination revealed active chronic gastritis Which of the following laboratory test findings is most likely to be present in this man Select one

a Gastric achlorhydria

b. Positive serology Parietal cell antibody.

c. positive urea breathe test

10. CCK hormone? Select one:

- a. It is a choleric.
- b. Competitively inhibits gastrin.
- c. CAMP is its second messenger.
- d. Stimulates contraction of pyloric sphincter
- e. Stimulate salivary secretion

11. Regarding the mucous membrane and duodenal papillae. Select the True one?

- a. The mucous membrane of the duodenum is thick all over
- b. The mucous membrane is thrown into numerous circular folds called the rugae
- c. The major duodenal papilla open below minor duodenal papilla
- d. The mucous membrane of the duodenum is thin in terminal part
- e. The accessory pancreatic duct opens into the duct open into the major duodenal papilla

12. Repeated vomiting Leads to all the following, except?

- a. Dehydration.
- b. Hypokalemia.
- c. Alkalemia
- d. Tetany

e Hyponatremia.

13. Concerning the blood supply to the gastrointestinal tract, which of the following has the Superior pancreaticoduodenal artery as a branch

a. Right colic artery

b Gastroduodenal artery

c Left gastroepiploic artery

d Left colic artery

e. Right gastroepiploic artery

14. A 25 years old female complains of a low volume but chronic, foul smelling diarrhea for the past year He has no nausea or vomiting On physical examination there is no abdominal pain or masses and bowel sounds are present. His stool is negative for occult blood Laboratory studies include a negative for TTG IgA antibody, Upper GI endoscopy is performed with biopsies taken of the duodenum and on microscopic examination show absence of villi, increased surface intraepithelial lymphocytes, and normal appearing crypts Which of the following therapies is most likely to be useful for this man? Select one

a Bactenal Antibiotics

b. Gluten-free diet

- c Viral Antibiotics
- d. Corticosteroids
- e Segmental duodenal resection

15. A mother has noted marked abdominal enlargement of her three-days-old son without any passing of the stool. On physical examination his abdomen is distended. What pathologic finding is most likely to be present in this infant? Select one

- a. Aganglionic colonic segment
- b. Congenital bowel malrotation
- c Cecal volvulus
- d. intussusception
- e Necrotizing ischemic colitis

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

17. A 25-year-old man has noted cramping abdominal pain for the past two days associated with diarrhea. On physical examination there is right lower quadrant tenderness. Bowel sounds are not present. Which of the following factors is most likely to be the cause of the symptoms for this patient? Select one

- a Infection
- b. Well-differentiated adenocarcinoma
- c Diverticulosis
- d** Vascular obstruction
- e Tubular adenoma with high grade dysplasia

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

19. Which of the following is found in milk?

- a. beta-1,4 - glucose - glucose

B. Alpha -1,4 glucose, galactose

C. beta-1,6 glucose, glucose

D. beta1,4, glucose, galactose

C. Alpha 1,4 glucose, glucose

20. Bad odor from umbilicus due to? Select one:

a Vitelline cyst

b. Vitelline duct

C. Vitelline sinus

d. Vitelline tissue

e Vitelline fistula

21. A 16-year-old boy who is receiving chemotherapy for leukemia sees the physician because he has had pain for 1 week when he swallows food. Physical examination shows no abnormal findings. Upper gastrointestinal endoscopy shows 0.5- to 0.8-cm mucosal shallow ulcers in the region of the mid to lower esophagus. Which of the following is most likely to produce these findings? Select one.

a. CMV ESOPHAGUS

b. Herpes simplex esophagitis

C Gastroesophageal reflux disease

d Candida esopinagltis

E Weiss Syndrome

22. After digestion of a potato, mushrooms, and a sucrose drink, the fastest sugar enters the blood is? Select one

a Glucose

b. Fructose C Galactose

d. Mannose

e isomaltose

23. All following are true about drugs for peptic ulcers EXCEPT? Select one

a Quadrable therapy includes FPI, bismuth sutsalicylate inetronidazole amoxicitin

b. Histamine 2 antagonists can be given orally or IV

C PPIs are superior than H2 antagonistin suppression of acid production

D. Mnoptostol is used in prevention of NSAID induced ulcer

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

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 answer is A

- a Zone I
- b Periportal zone
- c. Zone II
- d. a midlobular region
- e. Zone III**

26. Which statement is WRONG regarding preventive measures of clostridium botulinum intoxication? Select one

- a. Ensuring proper manufacturing practices

b. Ensuring fast cooling of food

C Proper heating of food before consumption to destroy heat labile neurotoxins

d. Food should be heated to 60°C and temperature maintained for at least 5 min before eating

e Preserved foods possessing rancid or other odours should be rejected

27. Which bacteria stopped from dissemination in blood by macrophages? Select one:

a EHEC alone

b. Shigella

C ETEC alone

d V. Cholera

e EIEC alone

28. Which of the following is the function of the human GALL BLADDER? Select one O

a Production of bile

b Storing the bile

c Producing an insulin

d..A and B

e. AandC

29. Which of the following may be the only detectable serological marker during the early convalescent phase of HBV infection window phase? Select one **answer is b**

A. HBeAg

B. HBsAg

C. HBcAg

d. Anti HBc

E. HBeAb

30. Concerning Mastication All of the following are true, except? Select one:

a. Increases the surface area of food exposed to enzymes

b. Of great importance in fruits and vegetables digestion

c. Can be done voluntarily

d. Completed by chewing reflex

e. Regulated by chewing center in pons

31. The following are therapeutic uses of 5-HT₃ receptor blockers except? Select one

a Anti-emetic action following abdominal irradiation

b Anti-emetics for cancer chemotherapy

c PONV

d. Prokinetic to enhance gastric emptying after vagotomy for peptic ulcer

e. Antileptetic for infectious gastroenteritis

32. Helicobacter pylori is associated with all of the following, EXCEPT?

Select one

a duodenal ulcer

B. Gastric carcinoma

C Peptic ulcer

d Burkitt lymphoma

e gastritis

33. Which of the following is most correct regarding a rotavirus vaccine?

a. Rotarix vaccine is a killed vaccine containing the single most common rotavirus

b. Rotateq vaccine is a live reassortant vaccine which contained the single most common rotavirus serotype

c. Rotateq vaccine is a live reassortant vaccine which contained live rotavirus strains

d. Rotateq vaccine is a killed vaccine which contained live rotavirus serotypes

e. Rotarix vaccine is a live attenuated vaccine contained live rotavirus serotypes

34. Which of following is FALSE regarding anti-peptic ulcer drugs?
Select one

a Duration of therapy with antimicrobial agents is 2 weeks

b. Cimetidine has antiandrogen side effect

c. PPIs can cause B12 deficiency

d. Misoprostol can be given during pregnancy

e Aluminum hydroxide causes constipation

35. Which of the following statement is INCORRECT about enemies of food storage? Select one:

a. Low temperature

b. Contamination by pathogenic microorganisms

c. High Humidity

d. High Temperature

e. Contamination by strong odors

36. One of the following is not considered a red flag (high risk) in patients with peptic ulcer disease? Select one:

a. Anemia

b. Weight loss

C. Epigastric pain

d. Hematemesis

e Persistent vomiting

37. Lymph drainage of stomach include the following lymph node group except? Select one:

a. Right gastric nodes

b. The celiac nodes

C. The superior mesenteric nodes

d. Right gastroepiploic nodes

e Short gastric nodes

38. Regarding side effects of OPIATES all the following are true EXCEPT

A . Respiratory depression

B . Bradycardia

C .Diarrhea

D .Flushing

E . Urinary retention

39. A 13 year old girl came to the emergency with sudden right upper quadrant abdominal pain .ultrasound reveals a dilated thickened gallbladder filled with stones a cholecystectomy is performed the gallbladder contained multiple faceted tiny dark black gallstones .which of the following underlying conditions does this girl most likely have?

A . ulcerative colitis

B . sickle cell Anemia

D . glomerulonephritis

. E crohn disease

40. Which of the followings is true regarding the appendix?

A retroperitoneal structure

B supplied from inferior mesenteric artery

C attach to the lateral aspect of the cecum

D commonly hanging

E commonly projecting upward along the lateral side of the cecum

41. A 25-year-old healthy man who has a family history of colon cancer with onset at a young age. There are no abdominal physical examination findings. He undergoes colonoscopy and there are over 150 tubular adenomas on gross inspection and microscopic examination of biopsies. Which of the following genetic mutations is the most likely to have?

A . transforming growth factor- β (TGF- β) mutation

B . LKB1/STK11 gene mutation

C . mutation in APC gene

D . inherited germ line mutations in DNA mismatch repair genes

E . TP53 gene mutation

42. All of the following are reasonable tests to investigate H. pylori infection except?

A . serological tests

B . urea-breath test

C . stool antigen

D . rapid urease test

E . cultures

43. One of the following muscles close the oropharyngeal isthmus?

A . muscles uvulae

B . palatopharyngeus muscle

C . palatoglossus muscle

D . tensor palati muscle

E . levator palati muscle

44. Regarding to cells choose the CORRECT statement?

A . phagocytic cells

. B have numerous lysosomes

C . perisinusoidal stellate cells

. D originate from blood monocytes

E . present in the wall of blood sinusoids

45. Choose the wrong statement of the following?

A . if triacylglycerols directly entered the blood they would coalesce impeding blood flow

B . only essential fatty acids are required in our diet

C . the major enzyme that digests dietary triacylglycerols is pancreatic lipase

D . bicarbonate raises the PH of the contents of the intestinal lumen

. **E** pancreatic lipase hydrolyzes triacylglycerols producing free fatty acids and free glycerol

46. A -41- year- old man has a history of numerous episodes of nausea and vomiting followed by massive hematemesis on physical examination there is no abdominal tenderness or distension and bowel sounds are present his stool is negative for which of the following is the most likely the causative agent for the patient symptoms?

a. severe retching

B . portal hypertension

C . esophageal fistula

D . Barrett esophagus

E . esophagus squamous cell carcinoma

47. The mucous membrane of the anterior two thirds of the tongue derived from?

A . tuberculum impar

B . the anterior part of the pharynx

- C . two lateral trigonal swellings
- D . the middle part of copula of his
- E . the posterior part of copula of his

48. All the following parasites inhabit the small intestine of man EXCEPT?

- ascaris lumbricoides
- B . ancylostoma
- C . schistosoma mansoni
- D . strongyloides stercoralis
- E . necator americanus

49. The gallbladder performs the following functions except?

- A . secretes bile of PH 7.8
- B . stores bile
- C . concentrates bile
- D . acidifies bile
- E . absorbs NaHCO_3

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

51. A – amylase, choose the wrong statement?

A . is an endoglucosidase

B . secreted by mouth and pancreas

C . is not functional in high acidic medium like stomach

D . hydrolyze all α - 1,4 glycosidic bondd

E . has no activity toward the α - 1,6 bond

52. Each of the following statemening concerning hepatitis A virus (HAV) is correct EXCEPT?

a.The initial site of viral replication is the GIT.

- b.** HAV has a naked icosahedral nucleocapsid with single stranded negative –polarity RNA and has a virion polymerase
- c . children are the most frequently infected group
- D. outbreaks arise from fecally contaminated food or water
- E . HAV is a member of the family picornaviridae

53. A 32 year old man presented with lower abdominal pain. On physical examination there is tenderness palpation in the right lower quadrant .laparoscopic appendectomy is performed. On microscopic examination of the resected appendix all the inflammation is involved the muscularis propria to the serosa what should the pathologist most strongly suspect in this case?

- A- Mildly acute appendicitis
- B- Chronic appendicitis
- C- Peritonitis
- D-** Acute appendicitis with cecitis
- E- Normal appendix

54. Digestion of proteins in the stomach, choose the wrong statement?

- A- Gastrin stimulates the secretion of hydrochloric acid by parietal cells
- B- Gastrin stimulates the secretion of pepsinogen by chief cells

C Dietary proteins are denatured by Pepsin in the stomach making them better substrate for proteases

D- Pepsin acts as an endopeptidase

E- Pepsinogen activated to pepsin by stomach high acidity

55. Which glands below the utricule:

A- Parotid gland

B- Sublingual glands

C- Submandibular glands

D- Thyroid glands

E- Parathyroid glands

56. Bile acid and bile salts, choose the wrong statement?

A- Primary bile acids are steroids consisting of 24 C atoms carrying one carbonyl group and several hydroxyl groups

B- In bile acid the arrangement of A and B rings in cis form

C The cholic acid conjugates with glycine to form lithocholic acid

D- Bile salts are more amphipathic than the primary bile acids

E- Taurochenodeoxycholic acid is a bile salt

57. The parasite which inhabits the brush border of the small & large intestine is?

- A- *Ascaris lumbricoides*
- B- *Ancylostoma duodenale*
- C- *Cryptosporidium parvum***
- D- *Giardia lamblia*
- E- *Balantidium coli*

THE END



الطب والجراحة لجنة

GI -midterm exam

دفةة نبض 2019

1.the application of heat to milk for the purpose of destroying pathogenic microorganism with minimum injury to its substances is called?

- a. Eradication
- b. Disinfection
- c. Elimination
- d. Sterilization
- e. Pasteurization

2. 32 years old man presented with lower abdominal pain. On physical examination there is tenderness to palpation in the right lower quadrant. Laparoscopic appendectomy is performed. On microscopic examination of the resected appendix, all the inflammation is limited to the serosa. What should the pathologist most strongly suspect in this case?

- a. Mid early acute appendicitis
- b. Chronic appendicitis

- c. Peritonitis
- d. inflamed diverticulosis
- e. Normal appendix

3. Concerning the blood supply to the gastrointestinal tract, choose a branch of the superior mesenteric artery?

- a. Right colic artery
- b. Gastroduodenal artery
- c. Left gastroepiploic artery
- d. Left colic artery
- e. Right gastroepiploic artery

4. All following are true about drugs for peptic ulcers EXCEPT?

- a. Triple therapy PPI, clarithromycin, plus either amoxicillin or corticosteroids
- b. Histamine-2 antagonists can be given IV.
- c. PPIs are superior than H2 antagonists in suppression of acid production
- d. Misoprostol is used in prevention of NSAID-induced ulcers
- e. Antacids react with gastric acid to form water and salt

5. Reye syndrome, choose the incorrect statement?

- a. Is extremely rare genetic disease that can affect the brain and liver
- b. Occurs most commonly in kids between 4 and 14 years old
- c. There is no cure for Reye syndrome
- d. involve mitochondrial dysfunction that inhibits oxidative phosphorylation
- e. Symptoms include persistent vomiting, lethargy or sleepiness in infants, diarrhea and rapid breathing but no fever

6. A 30-year-old man has complained of bloody and mucoid diarrhea for 3 months. On physical examination he has no abdominal masses

and mild diffuse lower abdominal tenderness. Colonoscopy reveals an erythematous mucosa extending from the rectum to the splenic flexure. Colonic biopsies reveal mucosal ulceration with crypt abscesses. Which of the following complications is the most likely to develop?

- a. Bowel perforation and peritonitis
- b. Fistula formation to the skin
- c. Ischemic bowel necrosis
- d. Colonic adenocarcinoma
- e. Primary Hepatic cirrhosis

7. The following may be useful to prevent vomiting due to cancer chemotherapy except?

- a. Benztropine
- b. Ondansetron
- c. Metoclopramide
- d. Nabilone
- e. Dexamethasone with granisetron

8. What are the mean of macroglossia?

- a. Failure of development of the tongue
- b. Small sized tongue
- c. Failure of fusion of the 2 lingual swellings
- d. tongue is adherent to the floor of the mouth
- e. Large sized tongue

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

10. Regarding the mucous membrane and duodenal papillae. Select the true one?

- a. The mucous membrane of the duodenum is thick all over
- b. The mucous membrane is thrown into numerous circular folds called the rugae
- c. The major duodenal papilla opens above minor duodenal papilla
- d. The mucous membrane of the duodenum is thin all over
- e. The accessory pancreatic duct opens into the duodenum as minor duodenal papilla

11. in appendicectomy it is true to look for the followings except?

- a. The tenia coli of the cecum
- b. The right iliac fossa
- c. McBurney's point
- d. The tip of the appendix in front of or behind the terminal part of the ileum as a very common site
- e. The appendicular artery

12. Each of the following statements concerning hepatitis A virus (HAV) is correct EXCEPT?

- a. The hepatitis A vaccine contains inactivated HAV as the immunogen.
- b. HAV commonly causes asymptomatic infection in children
- c. The diagnosis of hepatitis A is usually made by isolating HAV in cell culture
- d. Proper hygiene is a way for prevention of hepatitis A infection
- e. It is a non-enveloped virus

13. which one of these is not the common laboratory tests for the identification of Helicobacter pylori?

- a. Biopsy test
- b. Urease breath test
- c. Stool antigen test
- d. Urine test
- e. PCR test

14. Which of following is FALSE regarding anti-peptic ulcer drugs?

- a. Duration of therapy with antimicrobial agents is 2 weeks
- b. Cimetidine has antiandrogen side effect
- c. can cause B12 deficiency
- d. Misoprostol is safe during pregnancy
- e. Magnesium hydroxide causes diarrhea

15. Which type of infection can be severe with life-threatening consequences such as hemolytic uremic syndrome?

- a. ETEC
- b. EPEC
- c. EHEC
- d. EIEC
- e. salmonellosis

16. Which of the following statements are incorrect according the intestinal herniation?

- a. The cranial limb of the intestinal loop brings to the right side
- b. The intestinal loop rotates for 90 in an anti-clockwise
- c. The hernia passes through gap in the posterior abdominal wall
- d. The rotation of the intestinal loop around the superior mesenteric artery
- e. The caudal limb of the intestinal loop brings to the left side

17. 58-year-old woman known to have major depressive disorder for the past 10 years was found unresponsive at home after ingestion of 200 tablets of a medication containing acetaminophen around three hours prior to transportation to the emergency department. She was intubated due to decreased level of consciousness and difficult respiration. Which of the following microscopic findings is most likely to be present in her liver in the upcoming days?

- a. Normal liver
- b. Massive necrosis
- c. Microvesicular Steatosis
- d. Bridging fibrosis
- e. Mononuclear portal infiltration

18. After digestion of a piece of cake that contains flour, milk and sucrose, the fastest sugar that enters the blood is?

- a. Glucose
- b. Fructose
- c. Galactose
- d. Mannose
- e. Isomaltose

19. The most common cause of peptic ulcer disease worldwide is?

- a. H pylori infection
- b. Use of NSAIDS
- c. Hepatitis C virus associated
- d. Gastric malignancy
- e. Esophageal varices

20. Which of the following statements is INCORRECT?

- a. The bile canaliculi are confined in-between hepatocytes
- b. Centroacinar cells line the lumen of acini of parotid glands
- c. Zone 1 (one) of liver acinus is the last to show ischemic necrosis
- d. Islets of Langerhans are numerous at the tail of pancreas
- e. The space of Disse contains blood plasma

21. How many degrees of rotation of stomach?

- a. 90 anticlockwise
- b. 270 clockwise
- c. 90 clockwise
- d. 180 clockwise
- e. 180 anticlockwise

22. 32-year-old woman presented with sudden onset of severe abdominal pain. She has been using oral contraceptives for around 5 years on examination, she is afebrile with right upper quadrant tenderness. Ultrasound of the abdomen shows a well-circumscribed, 6 cm subcapsular hepatic mass. At laparotomy, a mass in the right hepatic lower lobe, that has ruptured through the capsule, is removed. The rest of the parenchyma looks to be unremarkable. Which of the following is the most likely diagnosis?

- a. Cholangiocarcinoma
- b. Hepatocellular carcinoma
- c. Hepatoblastoma
- d. Choledochal cyst
- e. Hepatic adenoma

23. Which one of the following is useful for prevention of motion?

- a. Prochlorperazine
- b. Metoclopramide

- c. Granisetron
- d. Scopolamine
- e. Domperidone

24. All following about drugs in liver disease except:

- a. Hypoalbuminemia increases protein binding of drugs
- b. Sedatives should be avoided in patients with advanced liver disease
- c. Codeine may precipitate hepatic encephalopathy
- d. Paracetamol overdose causes hepatocyte necrosis and apoptosis
- e. Elevation of serum transaminase levels greater than three-fold of normal is an indication of drug withdrawal

25. Saliva is responsible for all. EXCEPT?

- a. Helps in deglutition
- b. Prevents dental caries
- c. Is essential for complete digestion of starch
- d. Prevents decalcification of the teeth
- e. Help speech

26. Dietary fibers choose the wrong answer?

- a. They consists principally of oligosaccharides and polysaccharide derivatives and lignan
- b. They are resistant to digestion by human digestive enzymes
- c. Water insoluble fiber includes cellulose. Lignin and hemicellulose
- d. Pectins slow the rate of absorption of simple sugars
- e. Pectins may lower blood cholesterol levels by binding bile acids

27. Fat digestion, choose the wrong statement?

- a. Lingual lipase hydrolyze short- and medium-chain fatty acids in triacylglycerols
- b. The pancreas produces esterases that remove fatty acids from compounds like cholesterol esters
- c. Chylomicrons are synthesized in the liver and transport lipids in blood to adipose tissue, heart, and skeletal muscles
- d. Pancreatic lipase is the major enzyme that digests dietary triacylglycerols
- e. The essential fatty acids alpha-linolenic and alpha linolenic acid are supplied by dietary plant oils

28. According to the oral cavity, which is incorrect?

- a. It is divided by gums and teeth into two parts
- b. Mouth proper inside the teeth and gums
- c. The gums and lips are attached together in the midline by frenulum of the lip
- d. The vestibule and mouth proper are separated from each other
- e. Vestibule of the mouth is outside the gums and teeth

29. During pharyngeal phase of Deglutition there is?

- a. Opening of nasal cavity
- b. Opening of glottis
- c. Opening of larynx
- d. Inhibition of respiration
- e. Contraction of pharyngeal esophageal sphincter

30. The vagus nerves pass in the diaphragm through?

- a. Through the vena caval hiatus
- b. Through the aortic hiatus
- c. Between the slips of origin of the diaphragm from the ribs
- d. Through the esophageal hiatus
- e. Through the perforation is the crura

31. According to the parotid gland, which is incorrect?

- a. The largest salivary glands
- b. It lies below the external ear
- c. It is triangular in transverse cross section
- d. It presents behind the masseter muscle
- e. it is related to the posterior border of the sternomastoid muscle

32. Which of the following statements is true about the weight of the human liver?

- a. 3 Kg
- b. 1.4 kg
- c. 1.6 kg
- d. 1.86 kg
- e. 4.1kg

33. A patient with upper gastrointestinal symptoms tests positive for *Helicobacter pylori* following a urea breath test. Which one of the following conditions is most strongly associated *Helicobacter* infection?

- a. Gastric adenocarcinoma
- b. Gastro-oesophageal reflux disease
- c. Esophageal cancer
- d. Duodenal ulceration
- e. Atrophic gastritis

34. Which is responsible of exit of gas of abdominal Flatulence during rest state?

- a. Relaxation of puborectalis portion of levator ani muscles
- b. Anteroposterior flexures of the rectum
- c. Houston's valve
- d. Lateral flexures of the rectum

e. Contraction of puborectalis portion of levator ani muscles

35. All the following structures having mesentery except?

- a. The transverse colon
- b. The cecum
- c. The small intestine
- d. The appendix
- e. The sigmoid colon

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

37. Regarding LAXATIVES, removal of helminthes and parasites can be achieved by the following?

- a. Bulk-Forming
- b. Stimulant.
- c. Saline
- d. Hyperosmotic
- e. Emollients

38. Complications of vomiting include all of the following except?

- a. Dehydration
- b. Tetany
- c. Acidemia
- d. K⁺ loss
- e. Decreased Ca⁺⁺

39. Rectal prolapse is common in infection with?

- a. *Schistosoma mansoni*.
- b. *Ascaris lumbricoides*.
- c. *Trichuris trichiura*.
- d. *Balantidium coli*.
- e. *Ancylostoma duodenale*

40. Which of the following will inhibit stomach contractions?

- a. Acetylcholine
- b. Motilin.
- c. Gastrin
- d. Secretin
- e. Thyroxine

41. Food poisoning (food intoxication) is caused by?

- a. Hepatitis type A
- b. Amoebiasis
- c. *Staphylococcus aureus*
- d. Cholera s
- e. Ascariasis

42. Regarding *Giardia lamblia* all are correct EXCEPT?

- a. Man is the definitive host.
- b. Mature cyst is the infective stage
- c. Causing malabsorption syndrome and malnutrition
- d. Causing bloody diarrhea with excess mucus
- e. Causing travelers diarrhea

43. Which of the following statements is not correct?

- a. Glucoamylase is an exoglucosidase

- b. Glucose is an essential sugar and must be present in our food
- c. Trehalase has one catalytic site
- d. B-glycosidase has two catalytic sites
- e. a-amylase hydrolyzes a-1,4 bonds between glucose residues

44. The single most valuable sign in acute appendicitis is?

- a. Localized right iliac fossa tenderness
- b. Rebound tenderness
- c. Psoas sign
- d. Rovsing sign
- e. Obturator sign

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 muscosa - upper 1/3 is striated muscles

46. 25-year-old female complains of a low volume but chronic, foul-smelling diarrhea for the past year. He has no nausea or vomiting on physical examination there is no abdominal pain or masses, and bowel sounds are present .His stool is negative for occult blood .Laboratory studies include a positive for TTG igA antibody. Upper GI endoscopy is performed with biopsies taken of the duodenum, and on microscopic examination show absence of villi, increased surface intraepithelial lymphocytes, and hyperplastic appearing Which of the

following therapies is most likely to be useful for this man?

- a. Antibiotics
- b. Gluten-free diet
- c. Selective vagotomy
- d. Corticosteroids
- e. Segmental duodenal resection

47. Which of the following can cause infection through inhalation?

- a. *Schistosoma mansoni*
- b. *Ascaris lumbricoides*
- c. *Balantidium coli*.
- d. *G.lamblia*
- e. *C.parvum*

48. Each of the following statements regarding rotaviruses is correct EXCEPT?

- a. Rotaviruses are a leading cause of diarrhea in young children
- b. Rota Teq vaccine is a live reassortant vaccine, which contains the single most common rotavirus serotype
- c. Rotavirus is resistant to stomach acid
- d. Rotaviruses are transmitted primarily by the fecal-oral route
- e. Rotaviruses belong to the reovirus family.

49. A mother has noted marked abdominal enlargement of her two-year-old son and passing reddish to dark stool. On physical examination his abdomen is distended. What pathologic finding is most likely to be present in this infant?

- a. Aganglionic colon segment
- b. Congenital bowel malrotation
- c. Cecal volvulus

- d. Intussusception
- e. Necrotizing ischemic colitis.

50. A 38-year-old male with a previous history of total colectomy for inflammatory bowel disease. Presented with worsening fatigue, pruritis, and jaundice for three months duration Cholangiography reveals the widespread strictures in the intrahepatic bile ducts. Liver biopsy showed periductular onion skin fibrosis with a moderate lymphocytic infiltrate. Which of the following underlying diseases is he most likely to have?

- a. Wilson disease
- b. Acute viral hepatitis
- c. Steatohepatitis
- d. Primary sclerosing cholangitis
- e. Primary biliary cholangitis

51. Intestinal secretion is increased by?

- a. Local enteric reflexes
- b. Adrenaline
- c. Histamine
- d. GIP
- e. Somatostatin

52. The hepatorenal recess Select the wrong statement?

- a. Is similar to the lesser sac on the left side of peritoneal cavity
- b. Communicates anteriorly with the right subphrenic recess
- c. is a gravity-dependent part of the peritoneal cavity in the supine position
- d. Called also the right posterior subphrenic space

- e. Lying between the left part of the visceral surface of the liver and the left kidney and suprarenal gland

53. Which of the following markers is usually the first viral marker detected after hepatitis B infection?

- a. HBeAg
- b. HBsAg
- c. HBcAg
- d. Anti-HBc
- e. HEeAg

54. Which of the following statements IS incorrect according to development of the mouth?

- a. The maxillary process forms the upper jaw
- b. Stomodeum is endodermal in origin
- c. Each primitive gum is divided by a horse-shoe groove
- d. The mandibular process gives the lower jaw
- e. Cranial part of the foregut is endodermal in origin

55. HCL secretion is increased by?

- a. Histamine
- b. Adrenaline
- c. Secretin
- d. Prostaglandin
- e. CCK

56. Which glands open into the sublingual papilla?

- a. Parotid gland
- b. Sublingual glands
- c. Submandibular glands
- d. Thyroid glands
- e. Parathyroid glands

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

58. 25-year-old healthy man who has a family history of colon cancer with onset at a young age. There are no abnormal physical examination findings. He undergoes endoscopy and there are multiple small bowel polyps and microscopic examination of biopsies revealed dilated glands filled with mucin and inflammatory debris within these polyps. Which of the following genetic diseases is he likely to have?

- a. Transforming growth factor-B (TGF-B) mutation
- b. LKB1/STK11 gene mutation
- c. Mutation in APC gene
- d. Inherited germ line mutations in DNA mismatch repair genes
- e. TP53 gene mutation

59. Which of the following is INCORRECT regarding schistosomiasis?

- a. The disease undergoes through four stages
- b. The tail of the cercaria is important for invasion
- c. Local dermatitis and irritation due to penetration
- d. Hepatomegaly due to migration
- e. Patients start to suffer from anorexia when the parasite starts to deposit eggs

60. The following are causes of chronic diarrhea EXCEPT?

- a. Tumors
- b. Diabetes
- c. Nutritional syndrome.
- d. Addison disease
- e. Irritable bowel

61. Which of the following muscles passes between superior and middle constrictor muscles of pharynx?

- a. Stylopharyngeus muscle
- b. Palatoglossus muscle
- c. Palatopharyngeus muscle
- d. Tensor palati muscle
- e. Salpingopharyngeus muscle

62. One of the following is incorrect about gallstones?

- a. Oral contraceptive and pregnancy increase the risk for their development
- b. Cholesterol nucleation is enhanced by gallbladder hypermobility
- c. They are quite common
- d. Cholesterol super-saturation is enhanced by mucus secretion
- e. the vast majority crystalline cholesterol monohydrate is the main component

63. The proper specimen for testing for diagnosis of *C. difficile* disease is?

- a. watery stool
- b. urine output
- c. Swab of the colon
- d. Endoscopy
- e. Saliva

64. *Campylobacter jejuni* is one of the most common causes of food poisoning, which also can be associated with a complication as?

- a. Toxic shock syndrome
- b. Guillain-Barre syndrome
- c. Short bowel syndrome
- d. Rett syndrome

e. heart problems

65. Concerning ANTICHOLINERGICS, all the following are side effects EXCEPT?

- a. Urinary retention.
- b. impotence
- c. Decreased intraocular pressure
- d. Blurred vision.
- e. Dry skin.

66. Regarding Pepsinogen?

- a. Still active in duodenum.
- b. Secreted from parietal cell
- c. Activated by Hcl
- d. Pepsinogen is not linked with Hcl secretion.
- e. Activated by Gastrin hormone

67. 50-year-old man has a 2 year history of gastric pain He undergoes upper GI endoscopy, and a small area of gastric fundal mucosa has loss of rugal folds Biopsies are taken and microscopically reveal well-differentiated adenocarcinoma confined to the mucosa. While the previous biopsy (5 years ago) showed chronic gastritis. Which of the following is the most likely risk factor for his neoplasm?

- a. Inherited APC gene mutation
- b. Helicobacter pylori infection
- c. Chronic alcohol abuse
- d. Use of non-steroidal anti-inflammatory drugs
- e. Vitamin B12 deficiency

68. All of the following muscles are attached to the superior surface of palatine aponeurosis except?

- a. Musculus uvulae
- b. Palatopharyngeus muscle
- c. Palatoglossus muscle
- d. Tensor palati muscle
- e. Levator palati muscle

69. Which of the following is the function of the human liver?

- a. Production of bile
- b. Storing the bile
- c. Producing an insulin
- d. A and B
- e. A And C

70. 43-year-old man who presented with epigastric pain and recurrent attacks of diarrhea for the past 7 months on physical examination he has no abnormal findings. On upper GI endoscopy a solitary sharply demarcated 2-mm shallow gastric antral ulcer is seen and the microscopic examination revealed submucosal well-defined mass covered superficially by area of ulceration. Which of the following laboratory test findings is most likely to be present in this man?

- a. Gastric achlorhydria
- b. Positive serology for Partial cell antibody
- c. Positive urea breathe test
- d. Increased plasma substance P
- e. Elevated serum gastrin

71. House-hold treatment of water includes all the following EXCEPT?

- a. Chlorination
- b. Evaporation

- c. Filtration
- d. Aeration
- e. Boiling

72. Cytochrome and CYP450, choose the incorrect statement?

- a. It uses iron to oxidize molecules to make them water-soluble
- b. They are found associated with the membrane of the smooth endoplasmic reticulum particularly in the liver
- c. Molecular oxygen is split so that one atom is used to form water and the other is reduced and binds with porphyrin ring
- d. In the electron transport chain, they are involved as carriers of electrons
- e. Cytochromes may lead to making some drugs ineffective while activating others

73. A 25-year-old man has noted cramping abdominal pain for the past two days associated with diarrhea on physical examination, there is right lower quadrant tenderness with absence of bowel sounds Which of the following microscopic findings is most likely be present in biopsies from his colon?

- a. Crypt abscesses
- b. Entameba histolytica organisms
- c. Adenocarcinoma.
- d. ischemic colitis.
- e. Non-caseating granulomas

74. Each of the following statements concerning HCV is correct EXCEPT?

- a. HCV is transmitted by blood
- b. Recombinant Immunoblot assay is used to confirm the diagnosis of HCV infection

- c. HCV genome integration is considered a factor for HCC development
- d. People infected with HCV commonly become chronic carriers of HCV and are predisposed to hepatocellular carcinoma
- e. The highest degree of sequence variability within the HCV genome found in hypervariable region in the envelope glycoprotein

75. A 16-year-old boy who is receiving chemotherapy for leukemia sees the physician because he has had pain for 1 week when he swallows food, Physical examination shows no abnormal findings Upper gastrointestinal endoscopy shows 0.5 to 0.8-cm mucosal punched out ulcers in the region of the mid to lower esophagus Which of the following is most likely to produce these findings?

- a. CMV esophagitis
- b. Herpes simplex esophagitis
- c. Gastroesophageal reflux disease
- d. Candida esophagitis
- e. Mallory -Weiss syndrome

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

77. Which of the following is not involved in swallowing?

- a. Contraction of the upper esophageal sphincter.
- b. Coordination by the swallowing center in the medulla oblongata
- c. The approximation of the vocal cords to close the glottis
- d. The raising of the larynx to close its entrance
- e. Continuation of respiration

78. Secretin hormone causes?

- a. increase HCL passage to the duodenum
- b. Decrease intestinal mucus
- c. Decrease insulin hormone
- d. Increase Na Hco₃ secretion
- e. Decrease Gastric functions

79. 41-year-old man has a history of numerous episodes of nausea and vomiting, followed by massive hematemesis. On physical examination, there is no abdominal tenderness or distension, and bowel sounds are present. His stool is negative for occult blood. Which of the following is the most likely diagnosis?

- a. Esophageal stricture
- b. Esophageal laceration
- c. Esophageal fistula
- d. Barrett esophagus
- e. Esophageal squamous cell carcinoma

80. Which of the following does NOT regulate gastric acid secretion?

- a. Vagus nerve stimulation (Ach)
- b. Cholecystokinin
- c. Histamine
- d. Gastrin
- e. Prostaglandins

The End



الطب والجراحة لجنة

GIT Final Exam

دفعة نبض 2019

1) Lymphatic spread of carcinoma of the fundus of the stomach is likely to metastasize to the?

Select one:

- A) Right gastroepiploic nodes
- B) Celiac nodes**
- C) Superior mesenteric nodes
- D) Inferior mesenteric nodes
- E) Internal iliac nodes

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

3) Which of the followings is CORRECT regarding schistosomiasis?

Select one:

- A) *S. mansoni* Inhabits inferior mesenteric vein of small intestine.
- B) *S. mansoni* Inhabits superior mesenteric vein of large intestine.
- C) *S. Japonicum* Inhabits only inferior mesenteric veins of large intestine.
- D) *S. mansoni* Inhabits inferior mesenteric vein of large intestine.**
- E) *S. Japonicum* Inhabits only superior mesenteric veins of small intestine.

4) All of the following are common histopathologic findings in a liver biopsy from a patient with chronic viral hepatitis, except?

Select one:

- A) Dense portal Mononuclear infiltrate

- B) Scarring and nodule formation
- C) Interface hepatitis and lobular hepatitis
- D) Mallory-Denk bodies**
- E) Portal tracts fibrosis

5) Choose the wrong statement?

Select one:

- A) Esterases produced by pancreas function to remove fatty acids from compounds such as cholesterol esters
- B) Bile salts are more effective detergents than bile acids because of their enhanced amphipathic nature
- C) Fats digestion enzymes are produced in mouth, stomach and pancreas
- D) Bicarbonate secretion is stimulated by the hormone secretin
- E) Deoxycholic acid has a hydroxyl group at position 7 and 12**

6) A 45-year-old woman has noticed that her skin has become progressively more yellow. On physical examination, she is generalized jaundice. Laboratory studies show elevated liver enzymes. A liver biopsy specimen shows histologic features of sclerosing cholangitis. Which of the following diseases of the gastrointestinal tract is most likely to coexist with the liver disease?

Select one:

- A) Celiac sprue
- B) Ulcerative colitis**
- C) Chronic pancreatitis
- D) Diverticulosis
- E) Chron's disease

7) Gastrin hormone causes?

Select one:

- A) Increase in gastric Motility
- B) Decrease Gastric secretion
- C) Contraction ileocecal sphincter
- D) Relaxation of lower esophagus
- E) Decrease endocrinal secretion of pancreas

8) The lesser sac have the following boundaries, except?

Select one:

- A) Splenicorenal ligament on the left margin
- B) The stomach anteriorly
- C) The greater sac on the left margin
- D) The spleen on the left margin
- E) The pancreas posteriorly

9) All are Correct regarding the schistosomiasis, EXCEPT?

Select one:

- A) The acute stage schistosomiasis is due to egg deposition.
- B) The eggs in the intestinal wall initiates intense immune response.
- C) The consequences of granuloma formation is the main cause of pathology and lethality in schistosomiasis.
- D) Eggs can reach the intestinal lumen by the help of the venous pressure.
- E) Sinuses or fistula can occur

10) The arterial supply to the appendix is via the appendicular artery.
Which vessel does it directly arise from?

Select one:

- A) Ileocolic artery

- B) Superior mesenteric artery
- C) Inferior mesenteric artery
- D) Middle colic artery
- E) Aorta

11) Regarding Pepsinogen?

Select one:

- A) Still active in duodenum.
- B) Concerned with fat digestion
- C) Secreted from parietal cell.
- D) Activated by Hcl to form active pepsin.
- E) Pepsinogen is not linked with Hcl secretion.

12) Anti-pepsin is produced by?

Select one:

- A) Strongyloides stercoralis
- B) Enterobius vermicularis
- C) Ancylostoma duodenale
- D) Trichuris trichiura.
- E) Ascaris lumbricoides

13) Which of the followings is mismatched?

Select one:

- A) Balantidiasis : Most infections are chronic.
- B) Achlorhydria : G. lamblia infection.
- C) Atrophy of duodenal microvilli : G. lamblia infection
- D) Flask shaped ulcers : B. coli.
- E) Boring action of the cilia : S. coli.

14) All the followings are correct regarding Clostridium botulinum foodborne intoxication EXCEPT?

Select one:

- A) Spores of C. botulinum type A can survive temperatures of 120 C
- B) Homemade fermented foods with smoked and canned foods are safe to be eaten
- C) C. botulinum is an obligate, spore-forming anaerobe, and Gram-positive bacilli
- D) The calculated lethal dose for an adult person is 10 microgram
- E) Foods like spoiled canned meat, or hams and bacon stacked are particularly liable to be infective

15) All following are true about histamine-2 antagonist EXCEPT?

Select one:

- A) Are used in prevention and treatment of GERD
- B) Uses of these agents has decreased with use of PPIs
- C) Ranitidine has long half-life
- D) Ranitidine has antiandrogen effects
- E) Side effects: muscular pain

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

17) A woman who is hepatitis B surface antigen (HBsAg) positive and HBs antibody (HBsAb) negative has just given birth. Which one of the following is the most appropriate thing to do for the newborn?

Select one:

- A) Nothing. The child is protected against hepatitis B.
- B) Immunize with the vaccine containing HBsAg (HBV vaccine).
- C) Give hepatitis B hyperimmune globulins (HBIG).
- D) Give both the HBV vaccine and HBIG.**
- E) Test for hepatitis D virus infection.

18) Tone of lower esophageal sphincter is increased by ?

Select one:

- A) Myenteric plexus
- B) Secretin hormone
- C) Vagal N.**
- D) Fats and coffee
- E) CCK.

19) Sigmoid Colon have the followings, except?

Select one:

- A) The superior mesenteric artery its main blood supply**
- B) Extends from the iliac fossa to the third sacral (S3) vertebra
- C) Links the descending colon and the rectum
- D) Is 25 to 38 cm
- E) 15 cm from the anus, indicates the recto-sigmoid junction

20) Which of the followings are incorrect about the internal appearance of the anal canal?

Select one:

- A) Valves of Ball at the lower end of the anal columns
- B) The upper part is endodermal in origin
- C) The pectinate line is the lower end of the anal valves
- D) The anal sinus presents in the middle part
- E) The columns of Morgagni are connected together by crescentic folds

21) What is/are not the growth characteristics of H pylori? Select from all the options given below?

Select one:

- A) Oxidase and catalase positive
- B) Ureas negative
- C) Produce H₂S
- D) Ferment carbohydrates
- E) Have darting motility

22) In cytochrome P450 reactions for drugs detoxification, choose the incorrect statements?

Select one: answer is D

- A) CYP450 reaction converts hydrophobic substrate to hydrophilic substrate
- B) When O₂ accepts one electron it become superoxide a reactive oxygen species
- C) O₂ splits so one oxygen atom binds with 2H to form water and the other oxygen binds to the hydrophobic substrate
- D) NADPH donate one electron to ferric thus is converted to ferrous
- E) Fe (III) can't bind O₂

23) Which of the followings is incorrect about the floor of the mouth?

Select one:

- A) The sublingual papilla carries the opening of the submandibular gland

B) It is formed by the posterior two-thirds of the tongue

C) It is connected to under surface of the tongue by frenulum lingulae

D) It presents below the genioglossus muscle

E) The sublingual fold carries the opening of the sublingual gland

- 24) A 42 year-old woman has become increasingly lethargic in the last week. On examination, she has jaundice, rigidity, confusion and asterixis. She has no fever and normal blood pressure. Laboratory revealed prolonged PT and PTT and elevated serum levels of transaminases and bilirubin. Which of the following is mostly responsible for her neurological symptoms?

Select one:

A) Alkaline phosphatase

B) Amylase

C) Antimitochondrial antibodies

D) Anti-HCV

E) Ammonia

- 25) Each of the following statements concerning HCV and HDV is correct, EXCEPT?

Select one:

A) HDV genome is single stranded circular RNA.

B) Blood products are tested for antibody to HCV,

C) HDV is a defective virus that can replicate only in a cell that is also infected with H3V.

D) HDV is transmitted primarily by the fecal—oral route.

E) HCV is an RNA virus.

- 26) Prescription in severe liver diseases should be very careful in presence of all the following, EXCEPT?

Select one:

- A) Fluid retention
- B) Hepatic encephalopathy
- C) Hyperalbuminemia
- D) Renal impairment
- E) Reduced clotting factor

27) Gall bladder contraction is induced by?

Select one:

- A) By vagal activity.
- B) Sympathetic stimulation.
- C) By both CCK and Vagal stimulation.
- D) By CCK.
- E) By certain sympathetic nerves.

28) A 43-year-old man who presented with epigastric pain. On physical examination he has no abnormal findings. On upper GI endoscopy a loss of rugal fold in the body and the microscopic examination revealed deep chronic gastritis. Which of the following laboratory test findings is not most likely to be present in this man?

Select one: answer is C

- A) Mild Gastric hypochlorhydria.
- B) Negative stool antigen for H.Pylori microorganisms.
- C) Elevated serum gastrin,
- D) Antibodies against intrinsic factor.
- E) Negative urea breathe test.

29) A 24-year-old woman complained of abdominal pain presented to the ER. An abdominal ultrasound scan shows marked colonic dilation above a narrow segment in the sigmoid region. A biopsy specimen from the

narrowed region shows an absence of ganglion cells in the muscle wall and submucosa. Which of the following is most likely to produce these findings?

Select one:

- A) Adhesions
- B) Volvulus
- C) Intussusception
- D) d. Hirschsprung disease
- E) Chagas disease

30) Gastrin hormone secretion is inhibited by?

Select one:

- A) Ach.
- B) Caffeine.
- C) Somatostatin.
- D) Antral distension.
- E) Protein digestive products.

31) Glucoamylase, choose the incorrect statement?

Select one:

- A) Is an exoglucosidase
- B) Cleaves all alpha—1,4 bonds in disaccharides
- C) Its two catalytic sites have similar activities
- D) Is heavily glycosylated with oligosaccharides to protect it from digestive proteases
- E) Has two catalytic sites

32) Choose the incorrect statement?

Select one:

- A) Tyrosine becomes essential amino acid if phenylalanine intake is inadequate
- B) The trypsinogen is activated by enteropeptidase to trypsin
- C) Secretin stimulates the secretion of bicarbonate which raises the PH.
- D) Chymotrypsinogen is converted to active form chymotrypsin when trypsin cleaves the peptide bond joining serine 14- arginine15
- E) The proteins in plants foods are generally of lower quality

33) 58-year-old woman was admitted for jaundice, fatigue and pruritus. Previous medical history was unremarkable. There was no history of alcohol, drug abuse. On examination, her skin and sclerae were icteric. Laboratory investigations revealed high levels of alkaline phosphatase, gamma- glutamyl transpeptidase and direct bilirubin level. Antinuclear antibody was negative and anti mitochondrial antibody was positive. Which of the following morphologic features is most likely to be present in his liver?

Select one:

- A) Deposition of hemosiderin
- B) Portal bridging fibrosis
- C) Ducts granulomatous lymphoplasmacytic infiltration (florid duct lesion)
- D) Interface hepatitis
- E) Concentric onion-skin ductular fibrosis

34) Entero-invasive E. coli (EIEC) are nonmotile, non-lactose, or late lactose fermenters which are predominantly found in developing countries infecting children and travelers. Which of the following infection is similar to EIEC infection?

Select one:

- A) Salmonellosis
- B) Bacillary dysentery

- C) Enteric fever
- D) V. Cholera
- E) Shigellosis

35) All of the followings are features of the nasopharynx, except?

Select one:

- A) Opening of the auditory tube
- B) Pharyngeal tonsil
- C) Pharyngeal recess
- D) Palato-pharyngeal fold
- E) Tubal elevation

36) According the parotid gland, which is incorrect?

Select one:

- A) The inner capsule is condensed investing deep fibrous fascia
- B) The inner surface of the gland is covered by double layers of capsule
- C) The superficial layer of capsule is related to the great auricular nerve
- D) The capsule splits at the lower end of the gland into 2 layers
- E) The stylo-mandibular ligament is part of its capsule

37) The following effects usually do not occur with domperidone, except?

Select one:

- A) Postural hypotension
- B) Acute Dystonia
- C) Relaxation of esophageal sphincter
- D) Enhanced contractility of small intestine and colon
- E) CNS side effects like irritability, insomnia, restlessness.

38) HCL increases absorption of ?

Select one:

- A) Sodium
- B) Cobalt
- C) Cupper
- D) Iron**
- E) Milk

39) A 39-year-old female visited the internal medicine outpatient clinic complaining of painful defecation and bloody stools. She diagnosed with dilated and congested hemorrhoids. This term refers to _____?

Select one:

- A) Arterial plexus of anal canal
- B) Venous plexus in mucosa of rectum
- C) Nervous plexus of rectum
- D) Venous plexus in submucosa of anal canal**
- E) Venous plexus in submucosa of rectum

40) One of following is part of ALVARADO score?

Select one:

- A) Anorexia**
- B) Rovsing sign.
- C) Pointing sign.
- D) Obturator sign.
- E) Psoas sign

41) Second part of the duodenum have the following relations, except?

Select one:

- A) The right colic flexure laterally

- B) The hilum of the right kidney posteriorly
- C) The bile duct and the main pancreatic duct medially
- D) The superior mesenteric vessels anteriorly
- E) The fundus of the gallbladder anteriorly

42) Incidental finding of single 1 cm gallbladder stone in otherwise healthy medically free asymptomatic 25-year-old female should require one of the following?

Select one:

- A) laparoscopic cholecystectomy
- B) Open cholecystectomy
- C) Magnetic Resonance Imaging (MRD).
- D) Computed Tomography (CT).
- E) Observation until she develops symptoms.

43) Which of the following vessels arises from the abdominal aorta proximal to the coeliac trunk?

Select one:

- A) Inferior phrenic artery
- B) Intercostal artery
- C) Renal artery
- D) Superior mesenteric artery
- E) Descending thoracic aorta

44) CCK causes ?

Select one:

- A) Decrease in evacuation of bile
- B) Increase Gastric functions
- C) Decrease Insulin hormone
- D) Decrease Intestinal motility

E) Increase Intestinal enzymatic secretion

45) The rotation of the stomach is around?

Select one:

- A) Oblique axis
- B) Coronal axis
- C) Vertical axis
- D) Longitudinal axis
- E) Antero-posterior axis

46) What are the mean of microglossa?

Select one:

- A) Large sized tongue
- B) Small sized tongue
- C) Failure of development of the tongue
- D) The tongue is adherent to the floor of the mouth
- E) Failure of fusion of the 2 lingual swellings

47) The mucus membrane of the anterior two third of the tongue derived from?

Select one:

- A) The anterior part of copula of His
- B) Tuberculum impare
- C) The posterior part of copula of His
- D) The middle part of copula of His
- E) Two lateral lingual swellings

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

49) A 25-year-old woman has noted abdominal pain for the past two months associated with diarrhea. On physical examination, there is unremarkable abdomen with preserved bowel sounds. A colonoscopy reveals mucosal edema and ulceration in the ascending colon, but the transverse and descending portions of the colon are not affected. Which of the following macroscopic findings is most likely to be present in this colonoscopy from his colon?

Select one:

- A) Granulomas
- B) Fat creeping
- C) Pesudopolyps
- D) Non-caseating granulomas.
- E) Serpentine ulcer.

50) Helicobacter pylori infection is most prevalent in developing countries, in what age people the chances of infection is the highest?

Select one:

- A) 10 to 30
- B) Infant
- C) 60 and above

D) 2-8 years

E) 30 to 50

51) What is the name of the rectal folds?

Select one:

A) Rectal shelves

B) Relaxation of puborectalis portion of levator ani muscles

C) Anteroposterior flexures of the rectum

D) Lateral flexures of the rectum

E) Contraction of pubo-rectalis portion of levator ani muscles

52) Salivary secretion is controlled by?

Select one:

A) Both conditional and unconditional reflex

B) Unconditioned reflex

C) Hormonal

D) Enteric plexus

E) Conditioned reflex

53) A 14-year-old girl known case of sickle cell anemia came to the emergency with sudden right upper quadrant abdominal pain. Ultrasound reveals a dilated thickened gallbladder filled with stones. A cholecystectomy is performed. The gallbladder contained multiple faceted tiny dark black gallstones. Which of the following is the most likely main component of these stones?

Select one:

A) Triglycerides

B) Magnesium

C) Calcium bilirubinate

D) Melanin

E) Cholesterol

54) All are Correct regarding schistosomiasis, EXCEPT?

Select one:

- A) a. Each worm pair produces about 300 eggs daily.
- B) b. Eggs that fail can be detected in different body tissues.
- C) c. sandy patches are calcified eggs.
- D) d. The eggs that swept back to the systemic circulation can cause complications many years later.
- E) e. Not more than 40% of eggs are excreted in stool,

55) Defecation often follows breakfast. The cause of colonic contractions in this situation is?

Select one:

- A) Gastro-colic reflex.
- B) Enterogastrone hormone
- C) Gastro-ileal reflex
- D) Increased circulating levels of CCK.
- E) Enterogastric reflex.

56) All of the following can be caused by H, pylori infection, except?

Select one:

- A) Esophageal varices
- B) Antral gastritis
- C) Gastric ulcer
- D) Duodenal ulcer
- E) MALT lymphoma

57) Regarding laxatives the following drug can be used for treatment of ACUTE CONSTIPATION?

Select one:

- A) a. Magnesium Sulphate.
- B) b. Peptin-Kaolin.
- C) Psyllium
- D) Senna
- E) Loperamide

58) A 25-year-old healthy man who has a family history of colon cancer with onset at a young age. There are no abnormal physical examination findings. He undergoes colonoscopy and there are over 150 tubular adenomas on gross inspection and microscopic examination of biopsies. Which of the following genetic diseases is the most likely to have?

Select one: answer is D

- A) PTEN-associated syndrome
- B) Lynch syndrome
- C) Hereditary non-polyposis colon carcinoma syndrome
- D) Familial Adenomatous Polyyps
- E) Peutz-Jeghers syndrome

59) All following drugs can be used in treatment of peptic ulcers, EXCEPT?

Select one:

- A) Bismuth subsalicylate
- B) Famotidine
- C) Prednisilone
- D) Magnesium hydroxide
- E) Esomeprazole

60) *S. enteritidis* and *S. typhimurium* causes enterocolitis and gastroenteritis in humans. What is the most common food for the transmission of this infection?

Select one:

- A) Canned beans
- B) Poultry and eggs**
- C) vegetables
- D) Yogurt
- E) Fruits and

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

62) Which is attached to the posterior border of the hard palate?

Select one:

- A) Palatopharyngeus muscle
- B) Palatine aponeurosis**
- C) Musculus uvulae
- D) Soft palate muscles
- E) Palatoglossus muscle

63) A 33-year-old man complained of watery diarrhea associated with flatulence for the past year associated with weight loss. On physical examination, there are no significant findings. A stool sample is negative for occult blood, ova, and parasites, and a stool culture yields no pathogens. An upper gastrointestinal endoscopy is performed. A biopsy specimen from the upper part of the small bowel shows severe diffuse blunting of villi and a chronic inflammatory infiltrate in the lamina propria. Which of the following serologic tests is likely to be the most sensitive?

Select one:

- A) Anti tissue transglutaminase antibody
- B) Anti deamidated gliadin antibodies
- C) Antiendomysial antibody and Anti deamidated gliadin antibodies
- D) Antiendomysial antibody
- E) Anti tissue transglutaminase and Anti deamidated gliadin antibodies

64) Choose the incorrect statement?

Select one

- A) Deficiency of glucose-6-phosphatase leads to GSD type I a
- B) It is that the use of aspirin and other salicylates after a viral infection trigger Reye's syndrome
- C) The most known mutation of HFE is C282Y
- D) Wilson disease is caused by mutation in ATP73 gene
- E) In glycogen storage disease type II the glycogen is abnormal

65) A 54-year-old man has complained for 5 months of upper abdominal pain accompanied by nausea. Upper GI endoscopy is performed and gastric biopsies are taken that on microscopic examination reveal acute and chronic mucosal inflammation along with the presence of *Helicobacter pylori* organisms. The presence of these organisms is most likely to be associated with which of the following?

Select one:

- A) Gastric mucosal invasion with septicemia
- B) Hypochlorhydria
- C) Pernicious anemia
- D) Diffuse large B cell lymphoma
- E) Esophageal ulceration

66) The following may be used for acute dystonia due to metoclopramide, except?

Select one:

- A) Benztropine
- B) Orphenadrine
- C) Diphenhydramine
- D) Diazepam
- E) Dexamethasone

67) The anterior boundary of the Epiploic Foramen is?

Select one:

- A) The portal traid
- B) Caudate process of the caudate lobe of the liver
- C) Inferior vena cava
- D) First part of the duodenum
- E) The portal vein

68) Which statement is INCORRECT regarding control measures for the prevention of cholera?

Select one:

- A) Observation of personal hygiene
- B) The live attenuated vaccine has protection against cholera
- C) Proper cooking and hygienic handling of food
- D) Provision of potable water

E) Proper sewage disposal

69) Pancreatic secretion in carbohydrates digestion, choose the wrong statement?

Select one:

- A) Pancreatic alpha-amylase hydrolyze the starches and glycogen
- B) Secrets approximately 1.5 L,/day that enter the duodenum
- C) Alpha-amylase is an endo-glucosidase
- D) Bicarbonate neutralizes the acidic pH of stomach contents
- E) Pancreatic alpha-amylase hydrolyze all alpha-1, 4 bonds

70) Heat stable toxins stimulates production of which molecule inside the cells, resulting in secretory diarrhea?

Select one: answer is B

- A) Na
- B) CAMP
- C) CL
- D) Bicarb
- E) CGMP

71) One of the following is not among the metabolic syndrome criteria?

Select one:

- A) Waist circumference
- B) Serum Triglycerides
- C) HDL Cholesterol
- D) LDL Cholesterol
- E) Blood Pressure

72) Which glands open into the vestibule of the mouth opposite the upper 2nd molar tooth?

Select one:

- A) Submandibular glands
- B) Sublingual glands
- C) Parathyroid glands
- D) Parotid gland
- E) Thyroid gland

73) According to recent researches the most effective strategy to reduce diarrheal diseases morbidity is?

Select one:

- A) Antibiotic usage
- B) Anti-diarrheal drug use
- C) Hand washing
- D) Water availability
- E) Water quality

74) Regarding water related disease classifications, Which statement is INCORRECT?

Select one:

- A) a. Chemically contaminated water related to water containing excessive amounts of arsenic
- B) b. Water based diseases in which the aquatic environment provides an essential habitat and intermediate hosts
- C) c. Water borne disease related to consuming contaminated water like malaria
- D) d. Water washed diseases related to the effect of inadequate quantities of water

E) e. Water borne disease related to consuming contaminated water like hepatitis A

75) Concerning antidiarrheal, ANTICHOLINERGICS can be given to a patient with history of the following?

Select one:

- A) BPH
- B) Cardiac problem.
- C) Urinary retention.
- D) Glaucoma
- E) Arthritis

76) A 43-year-old man who presented with epigastric pain. On physical examination he has no abnormal findings. On upper GI endoscopy a loss of rugal fold in the body and the microscopic examination revealed deep chronic gastritis. Which of the following laboratory test findings is most likely to be present in this man, except?

Select one:

- A) a. Negative urea breathe test.
- B) b. Normal plasma substance P.
- C) . Elevated serum gastrin.
- D) Mild gastric hypochlorhydria
- E) e. Negative stool antigen for H.Pylori microorganisms.

77) A 57-year-old woman has had burning epigastric pain after meals for more than 1 year. Physical examination shows no abnormal findings. Upper gastrointestinal endoscopy shows an erythematous patch in the lower esophageal mucosa. A biopsy specimen scattered intraepithelial inflammatory cells with predominant of eosinophils. Which of the following is the most likely diagnosis?

Select one: answer is c

- A) Reflux esophagitis
- B) Squamous cell carcinoma
- C) Eosinophilic esophagitis
- D) Esophageal varices
- E) Barrett esophagus

78) Hemochromatosis, choose the wrong statement?

Select one:

- A) a. Resulted from mutations to gene HFE
- B) b. Our body has no natural way to rid itself of the excess iron
- C) c. Transferrin saturation values greater than 45 percent are considered too high
- D) Patients who inherit one defective gene are normal and have normal iron absorption
- E) It is a recessive genetic disease

79) Which of the following is the second most common cause of pediatric gastroenteritis with diarrhea lasts for a long time?

Select one:

- A) Norwalk virus.
- B) Astrovirus
- C) Rotavirus
- D) Hepatitis A virus,
- E) Adenovirus 40/41.

80) Concerning laxatives, all the following are side effects of SALINE, EXCEPT?

Select one:

- A) Skin rashes.
- B) Diarrhea
- C) Magnesium Toxicity with renal insufficiency.
- D) Increased thirst.
- E) Cramps

THE END

Gastrointestinal system

Wateen 2020

Collected by:
Baradah maharmeh



الطبيب الجراحة
لجنة
الطبيب الجراحة

PATHO

1. Which of the following is characteristic of Crohn's disease and not of ulcerative colitis.?

- A. rectal blood
- B. rectum is often spared
- C. is diffuse
- D. fistulas less common
- E. usually only affects the mucosa and the submucosa

Answer: B

2. which of the following is more specific for ulcerative colitis than Crohn's disease.?

- A. In rectum with containing pattern**

3. All the following are true regarding the histological features of focal nodular hyperplasia except:

- A. No portal tract**

4. 55yrs man came with food impaction and dysphagia, upper endoscopy was made and there was cell hyperplasia and ... and neutrophils more than 15 cells/zone, which is correct?

- A. Not associated with barret esophagus
- B. Autoimmune esophagitis
- C. Respond well to PPI
- D. Has rings in its upper and mid esophagus

Answer: C

5. Which gene mutation causes FAP

APC gene

6. Which of the following is true regarding Hirschberg disease?

- A. Aganglionic part is proximal to the dilated part
- B. Aganglionic part is distal to the dilated part
- C. Dilated part is the aganglionic part

Answer: B

7. One is not correct about pyogenic granuloma.

The recurrence rate is 25% after simple enucleation and 4% after wider resection

8. The major feature of celiac disease:

Villi atrophy

9. which is false matching :

- a. Stress ulcers - severe trauma.
- b. Stress ulcers - severe burns.
- c. Cushing ulcers - high incidence of perforation.

Answer: B

ANATOMY

1. One of the following is true according to the lingual papilla

It receives opening from the submandibular duct

2. Which one is part of the midgut:

- A. Jejunum
- B. esophagus
- C. liver

Answer: A

3. The relation that is embedded within the parotid gland :

Retromandibular vein

4. The mesentery that divides the infra-colic compartment into right and left:

The mesentery of the small intestine

5. Duodenum?

- A. Anterior to the bile duct
- B. Posterior to the spleen
- C. Posterior to the right lobe of the liver

ANSWER: A

6. Stomach?

- A. The splenic artery supplies the lesser curvature
- B. left and right gastric arteries

Answer: B

7. Which of the following is correct regarding the rectum?

- A. It has 5 flexures
- B. It has 3 flexures
- C. Contains 3 borders

ANSWER: B

8. All the following are arterial supplies of anal canal except??

- A. median sacral artery
- b. medial sacral artery

Answer: B

9. One is correct about tonsillar fossa

- A. Floor / superior constrictor
- B. Anterior / palatopharyngeal arch

ANSWER: A

10. The abdominal part of the esophagus is?

Supplied by the celiac trunk

11. Which of the following isn't found in the submandibular gland?

Centro-acinar cells

EMBRYO

1. Ankyloglossia is

the tongue is adherent to the floor of the mouth.

2. Anomaly due to the persistence of the whole vitelline duct??

- A. Vitelline sinus
- B. Vitelline cyst
- C. Meckel's diverticulum
- D. Ileal diverticulum
- E. Umbilicus fistula

Answer: E

3. -in the first few days after birth, failure of migration of neural crest cells from neural folds to form parasympathetic ganglia (no nerve) :

Hirschsprung's disease

Biochem

1. Which enzyme is secreted actively

Amylase

2. The secondary bile salt that is excreted by feces

Lithocolic acid

3. One of the following is true about enteropeptidase

It cleaves the protein inside the chain not outside

4. Acanthosis is spiked RBCs, it is found in which disease?

Abetalipoproteinemia

5. All the following are correct about (Von Gierks disease) EXCEPT:

a. normal in structure but present in abnormally

b. Deficiency of Alpha 1,4 phosphatase

c. deficiency of liver Glucose 6- phosphatase

Answer: B

6. phospholipase A2?

a. remove fatty acids from compounds

b. digests dietary triacylglycerols producing 2 free fatty acids and 2-monoacylglycerol

c. Digests phospholipids to free fatty acid and a Lysphospholipid

Answer: C

Micro

1. which one is the largest protozoa?

Blantidium coli

2. Which hepatitis-causing virus needs HiB for infection?

Hepatitis D

3. All the following is true regarding H.pylori except?

- A. Catalase positive oxidase negative
- B. Urease positive
- C. Motile
- D. Lophotrious flagella

Answer: A

4. Which of the following causes papillomata, granulomas, and sandy patches?

- A. Sictosoma mansoni
- B. Giardia lamblia
- C. E. Vermicularis

Answer: A

5. Which of the following has an A&B toxin that causes an increase in the adenylate cyclase-making cAMP?

- A. V.cholera
- B. E.coli
- C. B.cerues
- D. Botilinuim
- E. Staph

Answer: E

6. for which of the following do we use enterotest?

Giardia lamblia

7. HOW Ancylostoma sucks ccs of blood daily from duodenal:

- A. about 0.5 ccs
- b. about 1.5 ccs
- c. about 2.0 ccs

Answer:A

8. All of the following are predisposing factors for the development of infection with G.lambliia EXCEPT:

- A. Low level of secretory Ig A in the gut.
- B. Hypergammaglobulinemia
- c. Vitamin A deficiency

Answer:B

Pharma

1. One of the following is a stimulant laxative

Castor oil

2. One of the following is fecal softener :

Docusate

3. The scan for gall stones:

Ultrasound

4. All the following drugs can be used in the treatment of peptic ulcers, EXCEPT?

- A. Bismuth sub salicylate
- B. Famotidine
- C. Prednisolone
- D. Mg hydroxide
- E. Esomeprazole

Answer: C

5. All the following drugs cause cholestasis except?

Methyl dopa

6. Adsorbents decrease absorption of all drugs except??

Amphetamine

7. All the following related to acute pancreatitis except :

- A. Microlithiasis
- B. Slow peristalsis
- C. Alcohol abuse
- D. Trypsin
- E. Santorini duct

Answer: E

Physio

1. Which of the following is most dependent on vagal stimulation?

- A. saliva
- B. bile
- C. Pepsin
- D. HCL
- E. sweat

Answer: B

2. All of the following are complications of vomiting EXCEPT:

- a. Alkalemia
- b. Increase ionized Ca^{+2}
- c. Dehydration

Answer: B

3. All of the following stimulate the production of hcl in the stomach except :

pge2

Histo

1. Where are striated muscles found?
Pharynx-esophagus junction

Community

1. food poisoning refers to an incident in which two or more persons experience a similar illness after :
ingestion of a common food.

2. Pellagra due to deficiency in?
Vit B3

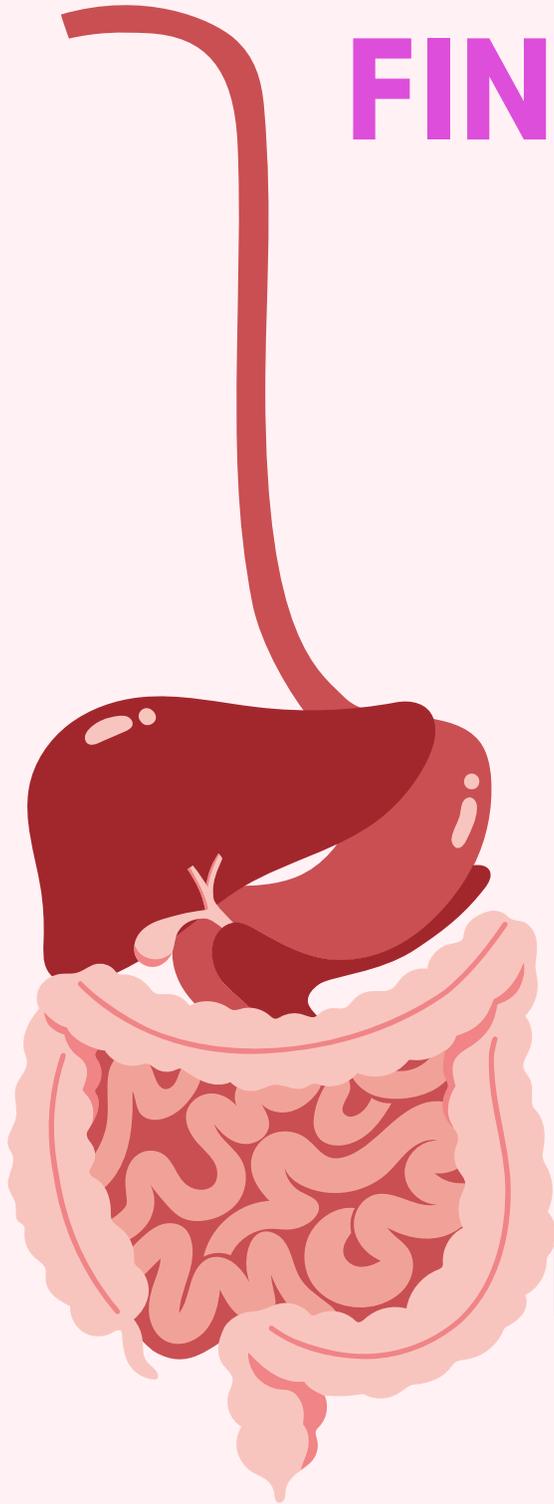
3. which of the following is true about Scurvy :
Characterized by the breakdown of connective tissue

وهذه هي الدنيا: علو وانخفاض، وقوة وضعف، نهار مضيء بعد ليل مظلم، وشتاء باكٍ بعده ربيع ضاحك بالزهر، لا يدوم على حال إلا الكبير المتعال، ثم تذهب الدنيا ويذهب هذا كله معها، ولا يبقى للإنسان إلا إحسان قدمه يرجو ثوابه أو عصيان يخشى عقابه. □
• الطنطاوي.

**لا تنسونا من صالح دعائكم
مع تمنياتنا لكم بالتوفيق والنجاح
#لجنة_الطب_والجراحة**

GIT ARCHIVE

رَوَح - FINAL



Done by:

RAGHAD ABU KHALAF
JUMANA ALSUHIEMATE

1) Regarding submandibular duct, which is false?

- A . Lateral relation is sublingual gland**
- B. It has trible relations to the hypoglossal nerve • C. It ends in the sublingual papilla**
- D. Medial relation is genioglossus muscle**
- E. Its length 5 cm**

ANSWER: B

2) All the followings are features of the nasopharynx except?

- A. Pharyngeal recess**
- B. Palatoglossal fold**
- C. Opening of Eustachian tube**
- D. Salpingo-pharyngeal fold • E. Tubal elevation**

ANSWER: B

3) Regarding anal sphincter, which of the following has bony attachment?

- A. Subcutaneous part of external anal sphincter**
- B. Internal anal sphincter**
- C. Submucous part of external anal sphincter**
- D. Deep part of external anal sphincter**
- E. Superficial part of external anal sphincter**

ANSWER: E

4) All the followings support the rectum except?

- A. Peritoneal body.**
- B. Rectovaginal fascia of Douglas**
- C. Recto-vesical fascia of Denonviller**
- D. Fascia of Waldeyer**
- E. Pelvic diaphragm**

ANSWER: A

5) All the followings are branches of superior mesenteric artery except?

- A. Right colic artery**
- B. Middle colic artery**
- C. Ileal arteries**
- D. Appendicular artery**
- E. Superior pancreaticoduodenal artery**

6) All the following structures emerge from the anterior border of the parotid gland EXCEPT?

- A. Zygomatic branch of the facial nerve
- B. Transverse facial artery
- C. Cervical branch of the facial nerve
- D. Parotid duct
- E. Buccal branch of the facial nerve

ANSWER:C

7) All The following structures are related to the anteromedial surface of the parotid gland EXCEPT?

- A. the masseter muscle
- B. the facial nerve
- C. the ramus of the mandible
- D. the maxillary artery
- E. the medial pterygoid muscle

ANSWER:B

8) The esophagus shows a constriction 22.5 cm from the incisors due to?

- A. Aortic arch
- B. Diaphragm
- C. left main bronchus
- D. Inferior vena cava
- E. left atrium

ANSWER: A

9) All the following structures form the stomach bed EXCEPT?

- A. Liver
- B. Left suprarenal gland
- C. Left kidney
- D. Spleen
- E. Body of the pancreas

ANSWER: A

10) Behind the right lobe of the liver and in front of the right kidney is the?

- A. Right infracolic space**
- B. Morison Pouch**
- C. Right anterior subphrenic space**
- D. Left anterior subphrenic space**
- E. Lesser sac**

ANSWER: B

11) The sigmoid colon has the following features except?

- A. Having the teniae coli**
- B. Retroperitoneal organ**
- C. End at level of the third sacral (S3) vertebra**
- D. Posterior to the urinary bladder in the male**
- E. The veins drain into the inferior mesenteric vein**

ANSWER: B

12) The following relations of the third part of the duodenum are true except?

- A. Posteriorly: The left ureter**
- B. Anteriorly: The root of the mesentery of the small intestine**
- C. Posteriorly The inferior vena cava and the aorta**
- D. Superiorly: The head of the pancreas**
- E. Anteriorly: The superior mesenteric vessels**

ANSWER: A

13) Appendix. Select the false statement of the followings?

- A. The appendicular vein drains eventually to portal vein**
- B. The lymph vessels drain into the superior mesenteric nodes**
- C. Has a complete peritoneal covering**
- D. Attached to the posteromedial surface of the cecum**
- E. The appendicular artery is a branch of the anterior cecal artery**

ANSWER: E

14) Which of the following is true regarding the pancreas?

- A. The uncinate process lies posterior to the superior mesenteric vessels.**
- B. It has arterial branches from the left gastric artery.**
- C. Its head is related anteriorly to the common bile duct**
- D. Its superior border related to the splenic vein.**
- E. It is drained by systemic veins.**

ANSWER: A

15) Which of the following forming the left boundary of quadrate lobe of the liver?

- A. The groove for the inferior vena cava.**
- B. Porta hepatis**
- C. Caudate lobe**
- D. Fossa of gall bladder**
- E. Fissure for ligamentum teres**

ANSWER: E

16) Which of the following is correct regarding the biliary passages?

- A. common bile duct descends in the free margin of the lesser omentum posterior to the portal vein.**
- B. the passage of bile to the duodenum is controlled only by one sphincter.**
- C. common hepatic duct passes behind the head of pancreas.**
- D. common bile duct unites with the pancreatic duct to form the ampulla of vatter.**
- E. common bile duct is formed by the union of common hepatic and cystic ducts at right angle.**

ANSWER: D

17) Which of the following matched pairs regarding regulation of pancreatic secretion is NOT TRUE?

- A. CCK - Protein and Lipid.**
- B. Secretion - H+.**
- C. Gastric phase Vagal - cholinergic.**
- D. intestinal phase - Enteropancreatic reflex.**

E. Ach - M1 receptors on pancreatic acinar cells.

ANSWER: E

18) Gall bladder contraction is induced by?

Select one:

- A. By vagal activity.**
- B. Sympathetic stimulation.**
- C. By both CCK and Vagal stimulation.**
- D. By CCK.**
- E. By certain sympathetic nerves.**

ANSWER: C

19) Which of the following will inhibit stomach contractions?

- A. Acetylcholine.**
- B. Motilin.**
- C. Gastrin.**
- D. Secretin.**
- E. Thyroxine.**

ANSWER: D

20) In the colon, which is benign and has no significant tendency to undergo malignant transformation?

- A. Familial polyposis**
- B. Tubulovillous adenoma**
- C. Carcinoid tumors**
- D. Villous adenoma**
- E. Juvenile polyp**

ANSWER: E

21) The primary pathophysiologic mechanism of malabsorption in a-beta-lipoproteinemia involves?

- A. Lymphatic abnormalities**
- B. Villous atrophy of small intestinal mucosa**
- C. Bacterial overgrowth in the small intestine**
- D. An epithelial cell biochemical defect/ transepithelial transport defect of TG and FAs**

E. Defective fat digestion due to lipase deficiency

ANSWER: D

22) A 55-year-old white female with a 30-year history of ulcerative colitis returns for a follow-up visit. She recently recovered from an acute exacerbation for which she was hospitalized and given immunosuppressive therapy, to which she responded. She knows about her increased risk for adenocarcinoma of the colon. Which of the following is more common in patients who suffer from UC than Crohn's disease?

- A. Toxic megacolon
- B. Malabsorption
- C. Fistula formation
- D. Granulomas
- E. Small intestinal ulcers

ANSWER: A

23) The most common primary gastric lymphoma is?

- A. Diffuse large B cell.
- B. Extra nodal marginal zone B cell.
- C. T cell lymphoma
- D. Follicular lymphoma.

ANSWER: B

24) Which of the following etiologies is least likely to cause acute gastric ulcer?

- A. Intracranial disease.
- B. Allergy.
- C. Burns.
- D. Stress.
- E. Trauma.

ANSWER: B

25) The most common malignant salivary gland tumor is?

- A. Adenoid cystic carcinoma.
- B. Warthin tumor.
- C. Pleomorphic adenoma.
- D. Mucoepidermoid carcinoma.

E. Adenocarcinoma.

ANSWER: D

26) All of the following regarding achalasia are true except?

- A. Primary causes are more common.**
- B. May result in functional esophageal obstruction.**
- C. Decreased lower esophageal sphincter (LES) tone.**
- D. Esophageal aperistalsis.**
- E. patient could present with epigastric pain.**

ANSWER: C

27) All of the following describes chemical gastropathy except?

- A. Foveolar hyperplasia.**
- B. Background of inflammation.**
- C. Smooth muscle fiber hyperplasia.**
- D. Vasodilation.**
- E. Edema and congestion of capillaries.**

ANSWER: B

28) All the following pairs between signs and cause in cirrhotic patient are true, except?

- A. Hypoalbuminemia - ascites.**
- B. Clotting factors deficiency- Hematoma.**
- C. Excess ammonia- coma.**
- D. Hyperestrogenism - Palmer erythema**
- E. Clotting factors deficiency- hematemesis.**

ANSWER: E

29) The most common site for ectopic pancreas is?

- A. Stomach.**
- B. Spleen.**
- C. Appendix.**
- D. Liver.**
- E. Lower esophagus.**

ANSWER: A

30) Which one of these is not the common laboratory test for the identification of Helicobacter pylori?

- A. Biopsy test**
- B. Urine test**
- C. Stool antigen test**
- D. Urease breath test**
- E. Serum test**

ANSWER: B

31) Larva currens is seen in infection with which of the following parasites?

- A. Enterobius vermicularis**
- B. Entamoeba histolytica.**
- C. Strongyloides stercoralis.**
- D. Ancylostoma duodenale**
- E. Ascaris lumbricoides.**

ANSWER: C

32) Which of the following protozoa can cause dysentery?

- A. Enterobius vermicularis.**
- B. Entamoeba histolytica.**
- C. Trichuris trichiura.**
- D. Giardia lamblia.**
- E. Strongyloides stercoralis.**

ANSWER: B

33) Cholecystitis could be seen in infection with which of the following parasites?

- A. Ascaris lumbricoides.**
- B. Enterobius vermicularis.**
- C. Ancylostoma duodenale.**
- D. Trichuris trichiura.**
- E. B & D**

ANSWER: A

34) pernicious anemia could complicate infection with which of the following parasites?

- A. Ancylostoma duodenale.**
- B. Giardia lamblia.**
- C. Entamoeba histolytica.**
- D. Trichurus trichiura.**
- E. Ascaris lumbricoides.**

ANSWER: D

35) The infective stage of Cryptosporidium parvum is which of the following?

- A. Oocyst.**
- B. Trophozoite.**
- C. Mature cyst.**
- D. Mature egg.**
- E. Filariform larva.**

ANSWER: A

36) In Vibrio Cholera Infection, Oral Rehydration is indicated when?

- A. The dehydration is less than 10% of body weight**
- B. Patients lose more than 10% of body weight**
- C. Used in any weight loss**
- D. Oral rehydration reserved for more severe cholera infections**
- E. Oral Rehydration is used if antibiotics can't resolve the disease**

ANSWER: A

37) One of the following about Adenovirus 40/41 Epidemiology is not true ?

- A. First leading cause of cases (5-20%) and hospitalizations in infants**
- B. Occurs year around, no seasonal peak.**
- C. Predominates in late fall and winter.**
- D. Asymptomatic or mild illness in older children, adults**
- E. Transmission: person-to-person**

ANSWER: A

38) Which of the followings can produce Shiga-like toxin?

- A. S. aureus.**
- B. B. cereus.**
- C. C. perfringens.**

D. C. botulinum

E. EHEC

ANSWER: E

39) Which of the can cause pseudomembrane?

A. C. difficile.

B. S. aureus.

C. C. botulinum.

D. C. perfringens.

E. EPEC.

ANSWER: A

40) Blood in stool is a characteristic of?

A. Cholera.

B. EPEC

C. ETEC

D. S. aureus

E. Shigella.

ANSWER: E

41) Choose the INCORRECT match?

A. Inner layer of fundic musculosa / oblique muscles

B. Paneth cells / locate mainly in crypts of Lieberkühn

C. Gingiva / lined with non- keratinized stratified squamous cells

D. Portal lobule / emphasis exocrine function of liver

E. Beta cells of islets of Langerhans / secrete insulin hormone

ANSWER: C

42) The epithelium covers the columns of Morgagni is?

A. Simple squamous

B. Keratinized stratified squamous

C. Stratified columnar

D. Simple columnar

E. Non-keratinized stratified squamous

ANSWER: C

43) Which of the following structures / cells set is CORRECTLY matched?

- A. Space of Disse / Kupffer cells**
- B. Liver sinusoids / Ito cells**
- C. Islets of Langerhans / Centroaciner cells**
- D. Gall bladder / Simple squamous cells**
- E. Exocrine pancreas / Serous cells**

ANSWER: E

44) M cells (microfold cells) are characterized by all of the followings EXCEPT?

- A. Overlay the lymphoid follicles of Peyer's patches**
- B. Their basal membrane invagination is in contact with lymphocytes and macrophages**
- C. Consider as antigen presenting cells**
- D. Secrete lysozyme with antibacterial activity**
- E. Play a principal role in intestinal mucosal immunity**

ANSWER: D

45) Columnar cells which extend across the thickness of a stratified squamous epithelium and have apical microvilli and basal synaptic vesicles associated with afferent nerve endings, are characteristic of?

- A. Enteroendocrine cells of gastric glands .**
- B. Taste buds of lingual papillae.**
- C. Paneth cells of crypts of Lieberkühn**
- D. Ganglion cells of islets of Langerhans**
- E. Columns of Morgagni**

ANSWER: B

46) 20% of maltose is digested by?

- A. The isomaltase–maltase**
- B. The sucrase–maltase**
- C. Pancreatic α -amylase**
- D. Sucrase–isomaltase**
- E. Glucoamylase**

ANSWER: E

47) Fructose moves from intestinal epithelial cells to portal blood via?

- A. GLUT5**
- B. GLUT2**
- C. GLUT1**
- D. GLUT3**
- E. GLUT4**

ANSWER: B

48) In Chymotrypsinogen activation which two amino acids of the followings are removed?

- A. Threonine¹⁴⁷- Asparagine¹⁴⁸**
- B. Tyrosine¹⁴⁷-Arginine¹⁴⁸**
- C. Serine ¹⁴⁷- Arginine ¹⁴⁸**
- D. Tyrosine¹⁴- Asparagine¹⁵**

ANSWER: A

49) CYP450 Oxidation mechanism choose the wrong statement?

- A. NADPH donates its electrons to FADH₂**
- B. When the iron in the Fe⁺² state it can bind oxygen**
- C. The first electron donated to CYP450 convert ferrous to the ferric state**
- D. The aim of CYP450 oxidation is introducing OH group to hydrophobic substrate**
- E. The second electron donated to CYP450 passes to oxygen**

ANSWER: C

50) Emulsification of fat, choose the wrong statement?

- A. The charged hydrophilic side of bile salt will be projecting from the surface of micelles**
- B. Micelles are soluble in water**
- C. The hydrophobic side of the bile salts mix with fat droplet**
- D. Gastric lipase digest the fat in micelle producing fatty acids and 2-monoacylglycerols**
- E. This process mixes two different substances that normally do not mix together**

ANSWER: D

51) Reye's syndrome, choose the wrong statement?

- A. Symptoms include vomiting, lethargy, and severe fever**
- B. Extremely rare that can affect the brain and liver**
- C. Aspirin trigger Reye's syndrome during viral disease**
- D. Most commonly in kids between 4 and 14 years old**
- E. Is a life threatening disorder**

ANSWER: A

52) Regarding tracheoesophageal fistula, which is false?

- A. Proximal part of esophagus continues with trachea and distal part ends as blind sac.**
- B. Proximal and distal parts of esophagus continue with trachea by single tube.**
- C. Proximal part of esophagus ends as a blind sac and distal part continues with the trachea.**
- D. Proximal and distal parts of esophagus continue together.**
- E. Proximal and distal parts of esophagus continue with trachea separately by double tubes.**

ANSWER: D

53) What is the cause of annular pancreas?

- A. Failure of rotation of the ventral pancreatic bud.**
- B. Failure of rotation of the dorsal pancreatic bud.**
- C. Failure of formation of the dorsal pancreatic bud**
- D. Failure of formation of the ventral pancreatic bud. •**

ANSWER: A

54) The incomplete growth of the uro-rectal septum results in which of the following anomalies?

- A. the vitelline fistula**
- B. the atresia of the rectum**
- C. the vitelline sinus**
- D. the development of the allantois**
- E. the recto vesical fistula**

ANSWER: E

55) Regarding the Meckel's diverticulum which of the following is WRONG?

- A. It occurs due to persistence of the proximal part of vitelline duct
- B. It lies 8 feet from the ileocecal valve
- C. It may contain ectopic gastric or pancreatic tissue
- D. It may cause pain confused with the pain from appendicitis
- E. It is attached to the umbilicus by a fibrous cord

ANSWER: B

56) The Hirschsprung's disease results from which of the following?

- A. reversed rotation of the midgut
- B. failure of the anal membrane to rupture
- C. failure of descend of the cecum
- D. Retention of fetal shape of the cecum
- E. failure of migration of neural crest cells to the wall of gut

ANSWER: E

الطب والجراحة

أي صاحبي..

العمر قصير ، يضيع منه - شئنا أم أبينا- ما يضيع ، ونأتي نحن لنضيّع منه ما تبقى بحجة الشغف؟!

أي شغف ذاك المتحكّم بإرادتك!
أيّ عزيمة تلك والله ربك!

أي خوار هذا " ولا حول ولا قوة إلا بالله العزيز الحكيم " لا تفارقك!
ناشدتُك الله إلا أفقت وانكبتت على باب ربك مناجياً إياه أن يعينك على نفسك وعلى همك
وجملك

الهج بدعاء :

" يا حي يا قيوم برحمتك أستغيث ، أصلح لي شأني كله ولا تكلني إلى نفسي طرف عين "

سلام الله على قلبك حتى يهدأ

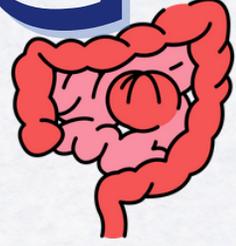
وعلى روحك حتى تقوى

ورحمات الله على نفسك حتى تثابر وبركاته تتجلى في كل حياتك فلا تشقى!

أعانكم الله ووفّقكم يا أحبّاب

لا تنسوننا من صالح دعائكم #لجنة_الطب_والجراحة.

GI Mid Archive



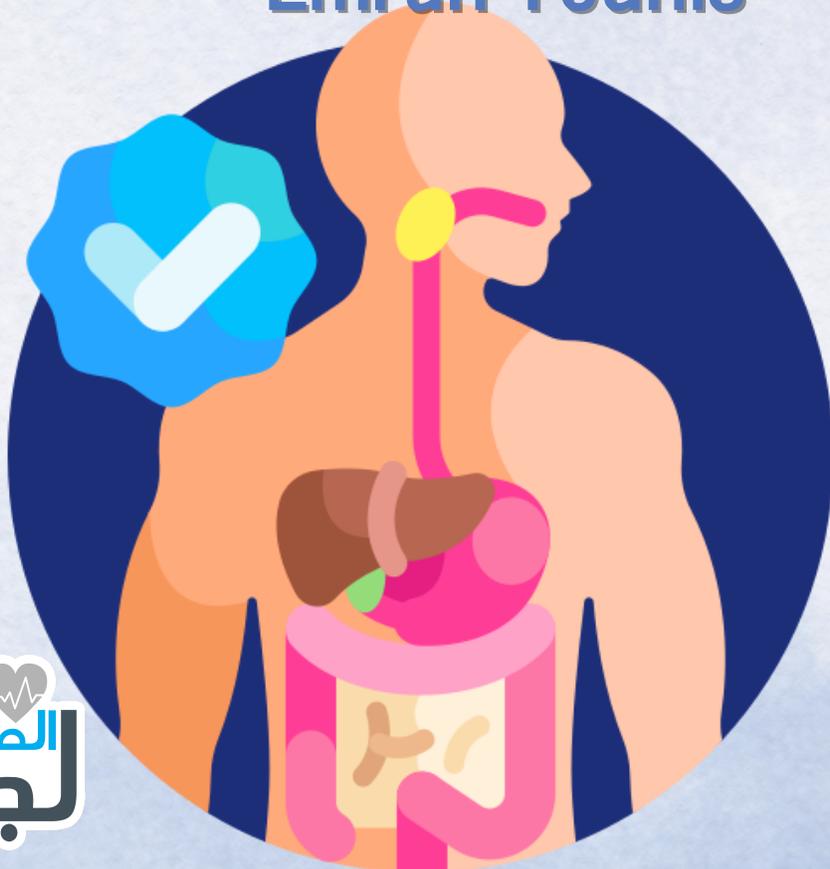
رَوَّح

Done By:

Raghad Al-kbawe

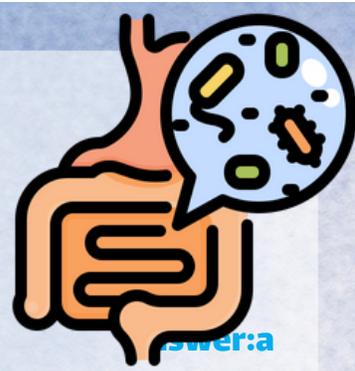
Bayan Mahmoud

Emran Younis



1.Celiac disease :

- a.HLA - DQ8
- b.MTP mutation
- c. normal finding on biopsy
- d.is treated by oral enzyme supplementation



Answer:a

2.The Ziehl Neelsen stain for which ?

- a.G.lamblia
- b.entamoeba histolytica
- c.cryptosporidium
- d.strongyloides stercoralis

Answer:c

3. Infective stage of Ancylostoma :

- a.Encysted larvae
- b.promastigote
- c.amastigote
- d.filariform larvae

Answer:d

4.Osmotic diarrhea in :

- a. Lactose deficiency
- b.Infection
- c.celiac disease
- d.cystic fibrosis

Answer:a

5.Which cause Risk of rectal prolapse :

- a.trichuris trichiura
- b.Enterobius vermicularis
- c. Ascaris lumbricoides
- d.Ancylostoma duodenale

Answer:a

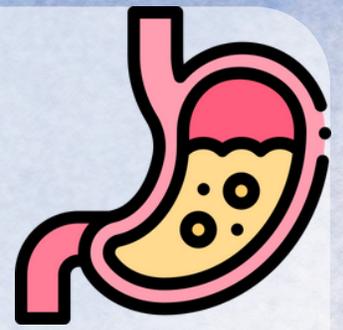
6.which parasite is diagnosed by NIH swap:

- a.Trichuris trichiura
- b.Ascaris lumbricoides
- c.enterobius vermicularis
- d.Strongyloides stercoralis

Answer:c

7.All of the following is true about S.aureus except :

- a.Sensitive to heat**
- b.gram negative**
- c.coagulase negative**
- d.motile and spore forming**



Answer:a

8.Mechanism of bismuth subsalicylate :

- a.Increase stool frequency and liquidity**
- b. Enhance chloride secretion**
- c.inhibit ach relase**
- d.Inhibit PG**

Answer:d

9. Patient has peptic ulcer and he take NASIDs . Which drug is best for him case:

- a.carbenoxdone**
- b.ranitidine**
- c.Misopristol**
- d.pirenzepine**

Answer:c

10.Which is cause blood diarrhea:

- a.Shigella**
- b.Vibrio Cholera**
- c.Rotavirus**
- d.Adenovirus**

Answer:a

12.All of the following are methods for food poisoning except:

- a.Deeply cooking & heating**
- b.food or water that's not clean.**
- c.food served by people who haven't washed their hands.**
- d.food served by people who haven't washed their hands.**

Answer:a

13.What treat is for the esophageal varices:

- a.neomycin**
- b.lactalose**
- c.Octreotide**
- d.loperamide**

Answer:c

14. Best choice for treating Strongyloides :

- a. Metronidazol
- b. Nitazoxanide
- c. Spiramycin
- d. IVERMECTIN

Answer: d

15. What is the best test for H. pylori?

- A. Urea breath test
- B. Stomach endoscope
- C. Antibody titer test

Answer: a

16. AIDS patient with watery diarrhea , what dose he have:

- a. Ancylostoma duodenale
- b. S. mansoni
- c. Trichuris trichiura
- d. strongylidiasis

Answer: d

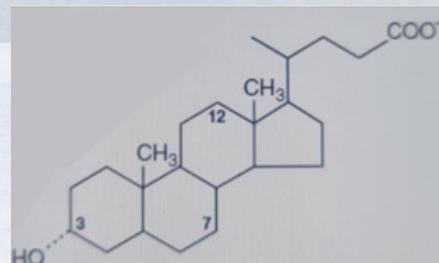
17. 2 years old child has gastroenteritis diarrhea , what does he have:

- a. Hydatid cyst
- b. Rotavirus
- c. H. pylori

Answer: b

18. Name of the structure:

- a. Lithocholic acid
- b. heme
- c. cholesterol
- d. choline acid



Answer: a

19. man with peptic ulcer have milk release from nipple what is the drug may cause it :

- a. Omeprazole
- b. Metoclopramide
- c. H₂ histamine
- d. cimetidine

Answer: d

20. Patient with chronic constipation , prolonged use paraffin oil the side effect of it :

- a. Uterine contraction
- b. Brown pigmentation of the colon
- c. pruritis anus
- d. Intravascular volume depletion



Answer: c

21. which one is wrong:

- A. Extrinsic muscles of the tongue arise outside the tongue and inserted into the tongue**
- B. Levator palati muscle fibers form palatin apneurosis**
- c. Pharyngeal part of the tongue has no papilla**
- d. Foramen caecum: depression at the apex of the sulcus.**

Answer:b

22. Which carry the parasympathetic nerve supply of parotid gland

- A. Great auricular**
- B. Facial nerve**
- C. Middle meningeal plexus**
- D. Glossopharyngeal**

Answer:d

23. One of the following match is correct ?

- a. Filiform papillae / taste buds**
- b. circumvallate papillae / smallest papillae**
- c. Foliate papillae / Von abnormal glands**
- d. brunner's gland / submucosa of the duodenum**

Answer:d

24. One is wrong about parotid gland ?

- a. Nuclei are rounded & central**
- b. Serous demilune**
- c. Lined e short pyramidal cells**
- d. Narrow lumen**

Answer:b

25. One of the following is wrong ?

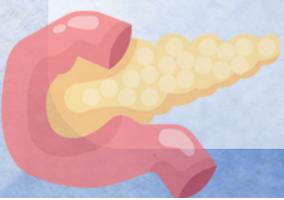
- A. the tongue firstly adherent**
- B. copula of his derived from 3ed pharyngeal arch**
- C. tongue attached to floor by frenulum**
- D. tuberculum impar derived from 1st pharyngeal arch**

Answer:b

26. Ankyloglossia:

- a. The tongue is adherent**
- b. failure of development of the tongue,**
- c. small sized tongue**
- d. due to failure of fusion of the 2 lingual swellings.**

Answer:a



27. Vitamins

- A. inorganic micronutrients
- B. organic micronutrients **
- C. non essential components of the diet.

Answer: b

28. Where Vit a is stored:

- A. Kupffer
- B. pit
- C. stellate cells

Answer: c

29. lysophospholipid

- a. digested from phospholipid
- b. Digested from cholesterol
- c. Digested by colipase

Answer: a

30. Which one is increasing the insulin:

- a. Decrease fatty acid
- b. Glucose dependent insulinotropic peptide
- c. It stimulates the process of gluconeogenesis
- d. Decrease the uptake of amino acids

Answer: b

31. One of the following is not posterior relation to ascending colon : One of the following is not posterior relation to ascending colon :

- a. ilioinguinal nerves
- b. femoral nerve
- c. quadratus lumborum
- d. lower pole of the right kidney

Answer: b

32. One of the following features is in saliva except :

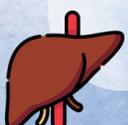
- a. Soluble calcium salts
- b. amylase enzyme
- c. Lipase
- d. Digestion fruits and vegetables completely

Answer: d

33. The enzyme is found in saliva :

- A. Chymotrypsinogen
- B. Trypsinogen
- C. Ptyalin
- D. kalikrein enzyme

Answer: c



34. When the surgeon do a splenectomy, he cut the region has lieno-renal ligaments and near from hilum of spleen , which one will be affected ?

- a. Tail of pancreas**
- b. duodenum**
- c. body of pancreas**

Answer:a

35. Which of the following is a false relationship for a superior constrictor muscle : Which of the following is a false relationship for a superior constrictor muscle :

- a. palati muscles**
- b. levator palati**
- c. Inferior laryngeal nerve**
- d. facial artery**

Answer:c

36. Which one is false :

- a. Esophagus has constriction at 22.5 from incisor teeth due to aortic arch**
- b. Esophagus has constriction at 40 from incisor teeth due to diaphragm**
- c. Esophagus has constriction at 15 from incisor teeth due to Pharyngo oesophageal junction**
- d. Esophagus has constriction at 27.5 from incisor teeth due to aortic arch**

Answer:d

37. The enzyme that tolerates high acidity

- a. Lipase**
- b. amylase**
- c. Pepsin**
- d. Lysozymes**

Answer:c

38. which of the following isn't in ulcerative colitis :

- A. Toxic megacolon**
- B. Diffuse distribution**
- C. Always rectal involvement**
- D. Noncaseating granuloma**

Answer:d

39. The following happen in portal hypertension, except :

- a. spider angioma**
- b. Splenomegaly**
- c. Caput Medusae**
- d. Hypoesrogenimia**

Answer:d



40.H . Pylori is inH . Pylori is in

- a.fundus**
- b.cardial notch**
- c.body of stomach**
- d.antrum**



Answer:d

41.Where ECL happenWhere ECL happen

- a.body of stomach**
- b.fundus**
- c.cardiac**
- d.antrum**

Answer:a

42.All of the following is true about esophagus, except :All of the following is true about esophagus, except :

- a.The esophagus is located in anterior of trachea**
- b.The esophagus is located in front of trachea**
- c.The esophagus is located in lateral of thyroid gland**
- d.The esophagus is located in anterior of recurrent laryngeal nerves**

Answer:b

43.Which one is false :Which one is false :

- a.Some organs within peritoneal cavity**
- b.The peritoneum is a thin serous membrane**
- c.The peritoneal cavity is the largest cavity in the body**
- d.the peritoneal fluid,which lubricates the surfaces of the peritoneum and allows free movement between the viscera.**

Answer: a

44.All are true about mastication EXCEPT?

select one:

- a.complete chewing reflex**
- b.Includes both voluntary and reflex components**
- c. Increase the surface area of the food particles.**
- d.the mechanical damage to the gut mucosa.**
- e. Is important for digestion of carbohydrates.**

Answer:a



45. During pharyngeal phase of Deglutition there is?

- a. Opening of nasal cavity**
- b. Opening of glottis**
- c. Opening of larynx**
- d. swallowing apnea**

Answer:d

46. Anderson disease, it caused by deficiency in which enzyme :Anderson disease, it caused by deficiency in which enzyme :

- a. Branching enzyme**
- b. Debranching enzyme**
- c. G6p**
- d. Alpha1-4glucoside**

Answer:a

48. A surgeon performed an operation and put his finger in epiloic foremen , the posterior relation is

- a. First part of duodenum**
- b. inferior vena cava**
- c. hepatic artery**
- d. portal vein**

Answer:b

49. How to know that the treatment of H . Pylori is failed :

- a. Neutrophil cells are present**

Answer:a

50. A drug used continuously by a patient causes shedding of intestinal epithelium as adverse effect. What type of cells are found in stool by microscopy?

- A. Pseudostratified epithelium without goblet cells**
- B. Pseudostratified epithelium with goblet cells**
- C. Simple columnar epithelium with goblet cells**
- D. Stratified columnar epithelium without goblet cells**
- E. Simple columnar epithelium without goblet cells**

Answer:C



51. In an open surgery of the abdomen, the doctor was dealing with stomach and he pass his finger behind it by getting inside a peritoneal opening. Considering the entrance to the space posterior to stomach, what is the structure posterior to the doctor's finger eithin this opening (entrance)?

- A. Duodenum
- B. Portal artery and vein
- C. Caudate process of caudate lobe
- D. Inferior vena cava
- E. Head of pancreas

Answer: D

52. The correct statement regarding small intestines is:

- A. Jejunum has more plicae circularis than duodenum or ileum
- B. Peyer's patches are mainly found in ileum along antimesentric border
- C. Tenia coli are longitudinal structures on wall of small intestines
- D. The entire small intestines have mesentry unlike large intestines
- E. Ileum wall is thicker than jejunum wall

Answer: B

”وَلَا كَدْرٌ يَدُوْعُ عَلَيَّ اللَّيَالِي
إِذَا اقْتَرَنَ الْيَقِينُ مَعَ الدُّعَاءِ

فَلَا تَحْزَنُ وَبَابُ اللَّهِ رَحْبٌ
وَكَمُ عِنْدَ الْكَرِيمِ مِنَ الْعَطَاءِ

يُفَرِّجُ كُرْبَةً، وَيُزِيلُ هَمًّا

وَيَجْزِي صَابِرًا خَيْرَ الْجَزَاءِ”