1) which statement is wrong about Hymenolepis nana:
   A) has an intermediate host ***

2) all of the following about Balantidium coli is true except:
   A) causes liver abscess ***
   b) produce dysentery like E.histolatica.
   c) cause liver abscess.
   d) have cytosome
   e) hogs as a reservoir

3) A child has vomiting and suffering from constipation and weight loss, which of the following conditions the child most probably have it:
   A) atresia in the esophagus
   B) atresia in the doudenum
   C) atresia in the pylorus ***
   D) atresia in the anal canal
   E) anyone from above can be right.

4) A causal relation is commonly between which of the matches below.
   A) reflux esophogitis == columnar metaplasia ***

5) the most common abnormality in the small intestine?
   A) hirschsprung
   B) meconium ileus
   C) meconium ileus
   D) another condition *** (It is Mickles Diverticulum).
6) about V.parahaemolyricus:

a- gastroenteritis
b- rarely produce sepsis
c- contamination through wounds
d- a and b
e- b and c

7) a surgeon drain an abscess formed in ano-rectal junction, he done a mistake. and the patient suffered from incompetence:

a- superficial part of external sphincter
b- subcutaneous part of external sphincter
c- internal anal sphincter
d- puborectalis muscle ***
e- anococcegus muscle

8) which of the following is not true about pancreas:

a- uncinate process is found between aorta ans superior mesentearic vessels
b- splenic artery pass on its superior border
c- splenic vein pass on its posterior surface
d- transverse mesocolon attach to its inferior border ***

9) which is wrong about the common bile duct:

a- descend in the free edge of the lesser omentum
b- anterior to head of pancreas ***
c- open in the 2nd part of duodenum independent of pancreatic duct
d- pass behind the 1st part of duodenum

10) What is wrong about the anal canal:
A) in internal hemorrhoid a branch of inferior rectal vein is involved ***

11) What is wrong about the esophageal varices.
A) a branch of the right gastirc anastomoses with a systemic branch

12) kayer-fleischer rings occur in which of the following disease:
A) wilson disease.***
13) all of the following contribute to ascites except:
   a- sinusoidal hypetension
   b- hypoalbuminemia
   c- increase thoracic duct flow.
   d- hyperaldosteronism
   e- cellular swelling. ***

14) all of the following are associated with portosystemic shunt, except:
   a- hemorrhoids
   b- esophageal varices
   c- caput medusae
   d- hepatosplenic shunt ***
   e- retro-peritoneal shunt

15) which of the following is wrong about carcinoid:
   a- most common in the colon ***
   b- appendicular carcinoid don't metistasis
   c- they are secretors of bioactive substances
   d- mostly due to serotonin secretion
   e- behavior depend on the location

16) about colorectal cancer, which is wrong:
   a- more in males
   b- more common on the right side
   c- NSAIDs are protective from them
   d- genetic and environmental factors.

17) Which of the following have the highest risk of malegance:
   a) villus adenomas ***

18) about juvenile polyps, which is wrong:
   a- associated with rectal bleeding.
   b- large and benign
   c- affect both sexes
   d- mostly is ascending colon
   e- ....

19) all of the following differentiate ulcerative colitis from chron's except:
   a- associated with granulomas ***
   b- no transmural thickening
   c- high rate of malignancy
   d- continuous lesions
20) which of the following is not true about chron's disease:
   a- skipping lesions
   b- string sign
   c- more in white than non-whites
   d- associated with fissures and fistulas
   e- result in episodes of vomiting and constipation *** (Diarrhea)

21) which of the following is not true about peptic ulcer:
   a- the most common location is the pyloric antrum
   b- no sex predilection
   c- male to female ratio is 2:1
   d- ...
   e- ...

22) which is nor true about acute stress ulcer:
   a- can be caused by burns.
   b- small in size
   c- mostly multiple
   d- related to H.pylori infection
   e-....

23) a six week old infant present with projecting vomits, constipation, and weight loss. which of the following can produce these symptoms:
   a- pyloric stenosis ***
   b- duodenal stenosis
   c- anal stenosis
   d- esophageal stenosis
   e- any of the above can cause those symptoms

24) plummer- vinson syndrome composed of anemia, glossitis, and which of the following esophageal abnormality:
   a) webs ***

25) all of the following are predisposing factor for pancreatic carcinoma, except:
   a- smoking
   b- chemical carcinogenic
   b- diabetis mellitus
   c- chronic pancreatitis
   d- migratory thrombophlebitis
   e- K-Ras mutation.
match the drug with the adverse effect

26- cimetidine
27-AI (OH)3
28-corticosteroid
29-lubricant laxative
30- Codiene

a-drug interaction
b-constipation
c-interfere with vertical growth
d- lipoid pneumonia
e-addiction

(26-a 27-b 28-c 29-d 30e)

match the drug with its use

31-omeprazole
32-ondansetron
33-loperamide
34-castor oil
35- “omitted”

a- peptic ulcer
b-antiemetic
c-antidiarrheal
d-laxative
e-antiasthmatic (Omitted question)

(31-a 32-b 33-c 34-d 35-e)

36- about Omphalocele, which is wrong:
a- herniation through umbilical ring.
b-covered by amnion
c- associated with chromosomal abnormality
d-have low mortality rate ***
e- result of unreturned physiological hernia.
37- which of the following don't mark recovery from HBV infection:
   a- extreme old age infection ***
   b- appearance of HBc-IgM in the serum

38- about viral gastrointestinal infection, which is wrong:
   a- incubation period is 24-48 hours ***
   b- produce diarrhea and fever, with no vomiting
   c- rota-virus cause infection early in life.
   d- norovirus has more than one mode of transmission
   e- adenovirus result in sporadic cases.

38- about hymenolepis nana, which is wrong:
   a- dwarf tapeworm
   b- have intermediate host ***
   c- eggs have 2 membranes
   d- eggs have polar filaments
   d- release onchosphere

39- about clostridium difficile, which is wrong:
   a- areobic spore forming bacilli ***
   b- nosocomial infection
   c- pseudomembranous colitis
   d- found in 5-20% of population
   e- ....

40- about campylobacter jejuni
   a- lives in 42 c
   b- ..... 
   c- cause sepsis and arthritis
   d- a and b
   e- a, b, and c

41- about swallowing, all true except:
   a- composed of voluntary and involuntary phases.
   b- primary peristalsis is initiated at the pharynx
   c- secondary peristalsis is initiated in the esophagus by reminiscent of food in the esophagus.
   d- preceded by relaxation wave to open the lower esophageal sphincter.
   e- closure of epiglottis is voluntary.***

42- a question about pepsin (wrong statement):
   a) pepsin is activated by low PH
43- which of the following produce the highest metabolic rate:
   a-sleep
   b-hypothyroidism.
   c-basal state.
   d-fever ***
   e- Malnutrition

44- which of the following is true about protein digestion:
   a-digestion of protein is initiated at the mouth.
   b-pepsin is secreted in active form.
   c-pepsin is inactivated in duodenum by enterokinases.
   d- digestion is continued by brush border enzymes, and intracellular enzymes. ***
   e- more than one of the above

45- about pancreatic secretion, all true except:
   a-CCK increase enzymatic production.
   b- HCO₃ and water production is increases by secretin
   c- controlled by parasympathatic system.
   d-effected by blood flow to pancreas.
   e-decease HCO₃ concentration during active secretion. ***

46- about enterohemorrhagic E.coli (whats wrong)
   a- common in jordan
   b- produce vero toxins
   c- found in intestine of cows.

47- which of the following is wrong about typhoidal sallmonella :
   a-incubation period is 1-3 days *** (weeks)
   b- widal test is used for diagnosis
   c-carrier have the organism in their gallbladder

48- which of the following produce neurotoxins:
   a- s.dysentery ***

49- most viral hepatitis with fulminent liver failar → HDV

50- anal canal----lower part develops in the 9th week

51- the liver develops from all of the following EXCEPT:
   a. endoderm of the gut.
   b. umbilical vein sinuses.
   c. cardinal sinuses.***
   d. vitelline artery sinuses.
   e. septum transversum.
52- In imperforate anus, it's associated with rectovesical fistula, the common cause is:
   a. absence of allantois.
   b. dilatation of the hindgut.
   c. failure in proctoderm depression.
   d. defect in the urorectal septum.

53- All of the following happen during the rotation of the stomach except:
   a. the right part becomes posterior.
   b. the ventral mesogastrium gives omental bursa ***
   c. the posterior surface grows to be the greater curvature.
   d. left vagus supplies the anterior part.
   e. the proximal and distal ends come approximate to each other.

54- All of these concerning salmonella are true except:
   a) it's incubation period is 1-3 days ***
   b) cause meningitis
   c) mostly infect human by water contamination
   d) the carrier associated with gall bladder infection
   e) wide test is used...

55- In per vaginal examination we can pulp all of the following except:
   a- sigmoid colon
   b- seminal vesicle ***
   c- ureter
   d- perineal body
   e- urinary bladder.

56- All these parts of the GI contain simple columnar epithelium & goblet cells except:
   a- stomach ***
   b- appendix
   c- large intestines
   d- Ilium and Jejinum.

57- The type of Hepatitis most commonly related to Chronicity is: HCV

58- Ground-glass appearance of Hepatocytes is seen in: HBV

59- Drug induced liver diseases are mostly caused by: acetaminophen
60- All of the following regarding the rectus sheath is true except:
   a- 2 muscles  
   b- 2 epigastric arteries  
   c- Lower intercostals nerves  
   d- Ilioinguinal and iliohypogastric nerves ***  
   e- Tendinous intersections  

61- an injury to the ilio-inguinal nerve, might be associated with one of these types of hernia:
   a- direct hernia ***  
   b- indirect hernia  
   c- lumber hernia  
   d- internal hernia  
   e- incisional hernia  

62- all the following statments about the abdominal sympathetic chain are true except:
   a- has 4-5 segmental ganglia  
   b- the left chain lies on the left edge of the aorta  
   c- the sympathetic fibers that innervates the sigmoid comes from the sup & inf mesenteric plexuses ***  
   d- it passes behind the medial arcuate ligament  
   e- it passes behind the common iliac vessels  

63- all the following pass deep to the mylohyoid except  
   A- lingual Artery  
   B- hyoglossus nerve  
   c- submandibular ganglion  
   d- Nerve to mylohyoid ***  
   e- submandibular Gut  

64- 4. wats related to V.parahaemolyticus:  
   (A) gastroenteritis  
   (B) rare sepsis ?  
   (C) wound infection  
   (D) a+b  
   (E) a+b+c ***  

65- histology of the parotid gland, all true except:
   presence of centroacinar cells
66- HAV and HEV are similar in all of the following except:
mortality rate (10x higher with HEV)

67- Portal system receives blood from all these organs except:
1- pancreas
2- stomach
3- liver ***
4- duodenum
5- spleen