1. Regarding serratus anterior muscle which is incorrect?
   a. Multipinnate muscle
   b. Lifts arm above the shoulder
   c. Supplied by long thoracic nerve
   d. Originates from lower eight ribs

2. The treatment of choice for atticoantral variety of chronic suppurative otitis media is:
   a. Mastoidectomy
   b. Medical management
   c. Underlay myringoplasty
   d. Insertion of ventilation tube

3. All of the following are the complications in the new born of a diabetic mother except?
   a. Hyperbilirubinemia
   b. Hyperglycemia
   c. Hypocalcemia
   d. Hypomagnesemia

4. The correct line of management in child who has swallowed a coin is?
   a. Fiber optic endoscopy
   b. Rigid endoscopy
   c. Laparotomy
   d. Wait and Watch

5. Helper cells belong to?
   a. T cells
   b. Macrophages
   c. B cells
   d. Monocytes

6. Mac Ewen’s triangle can be felt through the?
   a. Superior conchae
   b. Cymba conchae
   c. Middle conchae
   d. Posterior part of auricle

7. Most common strain of E.coil giving rise to traveller’s diarrhoea is?
   a. Entero-invasive E.coil
   b. Entero-pathogenic E.coil
   c. Entero-toxigenic E.coil
   d. Entero-aggregative E.coil

8. With urine turning green on ferric chloride test, the diagnosis is:
   a. Phenylketonuria
   b. Alkaptonuria
   c. Multiple carboxylase deficiency
   d. Glutaric aciduria

9. For assessing the ability of protein utilisation the best index is?
   a. Urea
   b. Uric acid
   c. Blood ammonia
   d. Urinary nitrogen content

10. Screening test is not useful when?
    a. Incidence of the disease
    b. Incidence is low in the community
    c. Early detection leads to favorable outcome
    d. The disease has a lead time

11. Nerve not related to humerus is?
    a. Radial
    b. Median
    c. Axillary
    d. Musculocutaneous

12. What is the percentage of chances of hydatidiform mole to develop choriocarcinoma?
    a. 5%
    b. 15%
    c. 50%
    d. 80%

13. Vasomotor reversal of Dale is because of?
    a. Block of alpha receptors
    b. Block of alpha & beta receptors
    c. Agonistic action on alpha receptors
    d. Adrenaline only

14. Primary visual field is situated around the _____ sulcus?
    a. Central
    b. Calcarine
    c. Superior temporal
    d. Inferior occipital

15. Medical treatment for BPH includes?
    a. Finesteride
    b. Methyl testosterone
    c. Oestrogens
    d. Osmic acid

16. Anterior dislocation of shoulder causes all except?
    a. Circumflex artery injury
    b. Avascular necrosis head of humerous
    c. Brachial plexus injury
    d. Chip fracture scapula

17. HIV is a?
    a. Retrovirus
    b. Flavivirus
    c. Oncovirus
    d. Arbovirus

18. In shigella dysentery associated hemolytic uremic syndrome, the false statement is?
    a. Leucocytosis
    b. Neurological abnormalities
    c. Hepatic failure
    d. Thrombotic angiopathy

19. Dengue hemorrhagic fever is caused by?
    a. Type I seerotype
    b. Reinfection with the same serotype of dengue virus
20. When the sample size is less than 30, one of the following modifications is made in the formula of standard deviation?
   a. Numerator is increased
   b. Denominator is decreased
   c. Both numerator and denominator are changed
   d. Numerator is decreased

21. Oesophagus receives blood supply from all except?
   a. Inferior thyroid artery
   b. Inferior phrenic artery
   c. Internal mammary artery
   d. Bronchial artery

22. All are pencillinase resistant except?
   a. Methicillin
   b. Nafcillin
   c. Penicillin
   d. Dicloxacillin

23. Mild hemolyti anaemia is associated with vitamin.. . Deficiency?
   a. B6
   b. E
   c. A
   d. C

24. Trimethoprim acts by?
   a. Inhibiting DHFR
   b. Inhibiting cell metabolism
   c. Inhibiting DNA
   d. Inhibiting RNA

25. Paradoxically split second heart sound signifies severe?
   a. Pulmonary stenosis
   b. Mitral stenosis
   c. aortic stenosis
   d. tricuspid stenosis

26. Riboflavin nutritional status is assessed by?
   a. Xanthine oxidase levels in RBC’s
   b. Glutathione reductase activation in RBC’s
   c. Urine excretion of Riboflavin
   d. CytochromeC reductase levels in kidneys

27. Provision of free medical care to the people at government expense is known as?
   a. State medicine
   b. Social therapy
   c. Social medicine
   d. Social insurance programme

28. Shortest sacrocotyloid diameter causing narrowing of pelvis is a feature of which type of maternal pelvis?
   a. Android
   b. Gynaecoid
   c. Platypelloid
   d. Anthropoid

29. What is Bennett’s fracture?
   a. Fracture dislocation of base of first metacarpal
   b. Fracture dislocation of base of first metatarsal
   c. Fracture of first metatarsal
   d. Fracture of first metacarpal

30. All the following techniques are helpful in the diagnosis of haemoglobinopathies, except?
   a. Alkali denaturation test
   b. Cellulose acetate electrophoric
   c. Sickling test
   d. Osmotic fragility test

31. Which of the following is not likely in patients taking amiodarone?
   a. Pulmonary fibrosis
   b. Hypothyroidism
   c. Hyperthyroidism
   d. Gynaecomastia

32. Which of the following helps in preventing colon cancer?
   a. High fiber diet
   b. Selenium
   c. Antioxidants
   d. Fatty food

33. Most common site of obstruction in gallstone ileus is?
   a. Colon
   b. Illeum
   c. Jejunum
   d. Duodenum

34. Cadaveric spasm
   a. Instant in onset
   b. Confined to small group of muscles
   c. Occurs only in voluntary muscles
   d. All of the above

35. The radionuclide used for ventriculography is
   a. Thallium
   b. Technetium
   c. Gallium
   d. Pottasium

36. “Signet ring cells” are seen in?
   a. Carcinoma cervix
   b. Carcinoma endometrium
   c. Krukkenberg tumour
   d. Carcinoma vulva

37. Cimetidine was synthesized by?
   a. Black
   b. Upjohn
   c. Lindsay
   d. Lilly

38. Nutritional status of children between 04 years in a community can be assessed by all except?
   a. Mortality in 04 years
   b. Birth weight of less than 2.5 gm
   c. Maternal Hb<11.5 g/dl/
   d. Height and weight of all preschool children

39. Pulmonary fibrosis in Bronchogenic carcinoma of lung may follow exposure to?
   a. Coal dust
   b. Silica
40. Ejection fraction increases with?
   a. Decrease endsystolic volume
   b. Decrease enddiastolic volume
   c. Decreased peripheral resistance
   d. Venodilation

c. Asbestos
d. Bagasse

41. Which is NOT visualized on posterior rhinoscopy?
   a. Eustachian tube
   b. Inferior meatus
   c. Middle turbinate
   d. Posterior border of nasal septum

42. Which one of the following would cause a metabolic acidosis
   is with a normal anion gap?
   a. Decrease endsystolic volume
   b. Decrease enddiastolic volume
   c. Decreased peripheral resistance
   d. Venodilation

43. All of the following organs contain aneurysm in polyarteritis
   nodosa except?
   a. Liver
   b. Lung
   c. Kidney
   d. Pancreas

44. Diphtheria toxin acts by?
   a. Inhibiting Acetyl Choline release
   b. Inhibiting glucose transport
   c. Increasing levels of Cyclic AMP
   d. Inhibiting protein synthesis

45. Smokeless gun powder is composed of?
   a. KMno4
   b. HCN
   c. Nitrocellulose
   d. Sulphur

46. Cetuximab (an EGFR antagonist) can be used in?
   a. Palliation in head and neck cancer
   b. Anal canal carcinoma
   c. Gastric cancer
   d. Small cell lung carcinoma

47. The formula showing relations of pressure, thickness and
   radius?
   a. Laplace formula
   b. Ohm’s law
   c. Pascal’s law
   d. Poiselle’s formula

48. Dapsone is useful for treating all except?
   a. Leprosy
   b. Dermatitis Herpetiformis
   c. Madura Foot
   d. Lymphoma

49. The most important factor to overcome protein energy
   malnutrition in children less than 3yrs is;
   a. Supply of subsidized food from ration shop
   b. Early supplemtentation of solids in infants
   c. Immunization to the child
   d. Treatment of anaemia and pneumonia in infant and toddlers

50. The binding of 2,3 BPG to Hemoglobin is to?
   a. Carboxyterminal
   b. Amino terminal
   c. Sulphydryl groups
   d. None of the above

51. Dissociate anaesthesia is described with which of the
   following?
   a. Propofol
   b. ketamine
   c. Thipental
   d. Halothane

52. In colour Doppler the colour depends upon?
   a. Strength of returning echo
   b. Relation of transducer to blood flow
   c. Frequency of Doppler used
   d. Type of Doppler machine used

53. The commonest cause of breech presentation is:
   a. Prematurity
   b. Hydrocephalus
   c. Placenta praevia
   d. Ulcerative colitis

54. Which of the following pathologic processes in an example of
   dysplasia?
   a. Actinic keratosis
   b. Chronic cystitis
   c. Chronic bronchitis
   d. Ulcerative colitis

55. True regarding tubercular meningitis:
   a. Generally occurs as dissemination of a miliary tuberculosis
   b. The cranial nerves frequently are involved
   c. The most common affected leptomeninges are at the base of
     the brain
   d. Communicating and obstructive hydrocephalus cortical abscesses, and empyemas are very uncommon
     complications

56. Haemostasis means?
   a. Coagulation
   b. Maintenance of electrolyte balance
   c. Sufficient hydration
   d. Arrest of bleeding

57. The average coronary blood flow in human being at rest is _
   % of cardiac output?
   a. 4.5%
   b. 510%
   c. 1015%
   d. 1520%

58. Rigor mortis first starts in?
   a. Upper eyelids
   b. Lower eyelids
   c. Lower limbs
   d. Fingers

59. Madura foot is caused by?
   a. Blastomycosis
b. Nocardia

c. Candida albicans
d. Tinea versicolor

60. Population of 10000, birth rate 36 per 1000, 5 maternal deaths, the MMR is?
a. 14.5
b. 13.8
c. 20
d. 5

61. Which of the following is not in WHO surveillance?
a. Rabies
b. Influenza
c. Malaraia
d. Varicella

62. The cause of breech presentation are all except?
a. Previous caesarean section
b. Placenta previa
c. Contracted pelvis
d. Oligohydraminos

63. True about minoxidil is?
a. Increases hair growth
b. Antihypertensive
c. Both
d. None

64. Cold agglutinins are seen in?
a. Mycoplasma pneumonia
b. Psittacosis
c. Legionella pneumonia
d. TB

65. No. of negative stools mandatory to release a case from isolation in typhoid?
a. 3 samples same day
b. 2 samples on first day and 1 sample on the second day
c. 1 sample of first day and 2 samples on the second day
d. 3 samples on 3 separate days

66. The most specific feature of death due to hanging is?
a. Tardieu spots
b. Ligature mark
c. Fracture of thyroid cartilage
d. Dribbling of saliva

67. Cauliflower ear is due to?
a. Haematoma
b. Carcinoma
c. Fungal infection
d. Herpes

68. Following agents have effects on the NMJ, EXCEPT
a. Curare
b. Decamethonium
c. Succinylcholine
d. Hexamethonium

69. Entamoeba, which is not found in gut?
a. E.coli
b. E.histolytica
c. E.gingivalis
d. E.nana

70. most deaths involving placenta previa result from?
a. Infection
b. Toxemia
c. Hemorrhage
d. Thrombophlebitis

71. Tympanic plexus is formed by?
a. Tympanic branch of glossopharyngeal nerve
b. Vagus nerve
c. Facial nerve
d. mandibular nerve

72. Prolactin?
a. Facilitates
b. Prevents ovulation in lactating women
c. In responsible for formation of corpus luteum
d. Is responsible for progesterone secretion

73. Herpes zoster involves?
a. Otic ganglion
b. Gasserian ganlion
c. Geniculate
d. Celiac ganglion

74. In wolfganginson white syndrome, there exist a connection between atria and?
a. Bundle of His
b. Ventricles
c. AV node
d. Purknje fibres

75. Polyhydramnios is seen in all the following except:
a. Diabetes
b. Renal agenesis
c. Esophageal atresia
d. Hydronephrosis

76. Following is the adjuvant for the treatment of nephrotic syndrome?
a. levamisole as immunomodulant
b. B.complex
c. cyclosporin
d. steroid

77. Disturbances of affect include all except?
a. Panic
b. Apathy
c. Phobia
d. Obsession

78. Deep transverse arrest is seen in?
a. Occipitoposterior position
b. Occipitoanterior position
c. Breech delivery
d. Face presentation
80. Kallu, a 25 yr male pt presented with a red eye and complains of pain, photophobia ,watering and blurred vision. He gives a history of trauma to his eye with a vegetable matter. Corneal examination shows a dendritic ulcer. A corneal scraping was taken and
   a. Herpes simplex
   b. Acanthambea
   c. Candida
   d. Aeno virus

81. Glass vessels and syringes are best sterilised by
   a. Hot air oven
   b. Autoclaving
   c. Irradiation
   d. Ethylene oxide

82. Management of extradural hemorrhage is:
   a. Immediate evacuation
   b. Evacuation after 24 hrs
   c. Antibiotics
   d. Observation

83. A PostThyroidectomy patient develops signs and symptoms of Tetany. The management is?
   a. I.v.Calcium gluconate
   b. Bicarbonate
   c. Calcitonin
   d. Vitamin D

84. The most effective treatment in the early stages of trachoma is?
   a. Penicillin locally
   b. Choromycetin systemically
   c. Sulphonamides systemically
   d. Soframycin locally

85. Ideal treatment of Tinosporidiosis is:
   a. Rifamipicin
   b. Excision with cautery at base
   c. Dapsone
   d. Laser

86. Epithelium of cornea is?
   a. Pseudostratified
   b. Transitional
   c. Stratified squamous keratinized
   d. Stratified squamous nonkeratinised

87. Bagasosis can be prevented by spraying Bagasse with?
   a. 10% acetic acid
   b. 5% acetic acid
   c. 1% propionic acid
   d. 2% propionic acid

88. Mc Ardles disease is due to the deficiency of?
   a. Glu 1 phosphatase
   b. GluCl, 6 diphosphatase
   c. Gluc 6 phosphatase
   d. Myophosphorylase

89. Satiety center in hypothalamus is regulated by?
   a. Gastric dilatation
   b. Blood glucose levels
   c. Blood insulin levels
   d. All of the above

90. Coagulative necrosis is seen in all except?
   a. Myocardial infarction
   b. Burns
   c. Tuberculosis
   d. Zenker’s degeneration

91. The relationship between incidence and prevalence can be expressed as the?
   a. Product of incidence and mean duration of disease
   b. Divident of incidence and mean duration of disease
   c. Sum of incidence and mean duration of disease
   d. Difference of incidence and mean duration of disease

92. In twin pregnancy, treatment of choice when first baby is in transverse lie is:
   a. Home delivery
   b. Cesarean section
   c. High forceps
   d. Low forceps after external rotation

93. Coose among the following the most important lab finding in nephrotic syndrome?
   a. BJ protine
   b. hyperkalemia
   c. hypoalbuminemia
   d. hypertension

94. Which statement is not true regarding Cryptic military Tuberculosis?
   a. Xray diagnsis is possible
   b. It is seen in PEM Children
   c. Mntoux test is negative
   d. Leucocytosis is seen

95. Commonest histology of carcinoma of endometrium is?
   a. Squamous cell
   b. Clear cell
   c. Adeno carcinoma
   d. Anaplastic carcinoma

96. True regarding Felty’s syndrome is all EXCEPT
   a. Splenomegaly
   b. Rheumatoid arthritis
   c. Neutropenia
   d. Nephropathy

97. The true statement about Zenker’s diverticulum is;
   a. It is outpouching of ant.pharyngeal wall above the cricopharyngeus muscle
   b. Barium swallow lateral view for diagnosis is the best investigation
   c. it is a true diverticulum
   d. it is congenital

98. Which of the following statements about aging is true?
   a. Zoo animals have shorter lifespans than animals in their normal habitat
   b. All animal species have approximately the same lifespan
   c. Men are programmed to live longer than women.
   d. Identical twins have a natural lifespan of approximately similar duration

99. Characteristic features of kwashiorkor include following EXEPT?
   a. Anorexia
100. Adrenergic neuron contain which of the following
   a. Norepinephrine
   b. Acetyl choline
   c. Neuropeptide Y and somatostatin
   d. A and C

101. NOD2/ CARD15 polymorphism is associated with which of the following
   a. UC
   b. Crohn's disease
   c. Coeliac disease
   d. Carcinoid

102. 60 year old admitted for hip fracture found to have hyperglycemia. Which micronutrient deficiency explains this problem
   a. Chromium deficiency
   b. Copper deficiency
   c. Iron deficiency
   d. Selenium deficiency

103. 32 year old women are considering bariatric surgery. Which of the following would usually be recommended as part of her preoperative evaluation?
   a. CT of abdomen and pelvis
   b. USG abdomen
   c. Upper GI endoscopy
   d. Manometry.

104. What is the most common gastric lesion causing severe protein loss
   a. Menteriers disease
   b. H. Pylori gastritis
   c. Allergic gastroenteropathies
   d. SLE gastroenteropathies

105. False positive elevations of 5-HIAA levels in urine can result from ingestion of all of the following except
   a. Melatonin
   b. Methyldopa
   c. Rifampicin
   d. Isoniazid

106. Which of the following is the most common cause of death in celiac disease
   a. ulcerative jejunitis
   b. Lymphoma
   c. Malnutrition
   d. Sepsis due to immunoglobulin deficiency

107. Which of the following is least harmful to pregnant patients and their fetuses during Endoscopy
   a. Fluoroscopy
   b. Mepridine
   c. Morphine
   d. Benadryl

108. Imatinib cause all of the following adverse effect except
   a. Periorbital odema
   b. Myalgia
   c. Myelotoxicity
   d. Photophobia

109. Which of the following is not related to GERD
   a. Pregnancy
   b. Post heller myotomy
   c. Prolonged nasogastric tube intubation
   d. Sickle cell disease

110. Which statement about pepsin is false
   a. It is produced in inactive proenzyme form
   b. Activation of gastrin require gastric acid
   c. Pepsin is produced in parietal cell
   d. It is inactivated at pH 5

111. Which of the following tumour do no metastasizes to stomach
   a. Melanoma
   b. Prostate
   c. Breast ca
   d. Colon ca

112. Which of the following is most likely to remain asymptomatic
   a. Annular pancreas
   b. Gastric duplication
   c. Meckels diverticulum
   d. Spleen

113. Which of the following is not usually a site of ectopic pancreatic tissue
   a. Stomach
   b. Proximal jejunum
   c. Meckels diverticulum
   d. Spleen

114. Which of the following is risk factor for pancreatic cancer
   a. Alcohol
   b. Tobacco abuse
   c. Chronic steroid use
   d. High dietary diet intake

115. Fatty acid synthesis occurs in which site of liver
   a. Cytosol
   b. Nucleus
   c. Mitochondria
   d. Membrane bound protein

116. Which of the following aids host in defending against intestinal infection
   a. Intestinal microflora
   b. Adherens
   c. Intestinal acidity
   d. Cytotoxins

117. Which of the following gastrointestinal signaling agent shown to increase appetite
   a. Apolipoprotein a
   b. CCK
   c. Ghrelin
   d. Leptin

118. Paraneoplastic visceral neuropathy is associated with
   a. Gastric ca
   b. Breast ca
   c. Ovarian ca
   d. Small cell lung ca
119. Which is major anion transporter in colon
   a. Chloride
   b. Bicarbonate
   c. Boron
   d. Small chain fatty acid

120. What is the volume of fluid that gall bladder can accommodate
   a. A.10 to 30 ml
   b. B.30 to 50ml
   c. C.50 to 70 ml
   d. D.70 to 100 ml

121. Cholesterosis of gall bladder is-
   a. Frequently present in individuals with cholesterol stones
   b. Highly prevalent in certain ethnic groups
   c. More common in women
   d. Often symptomatic

122. Which of the following condition is not important for pathophysiology of gall stone formation?
   a. Cholesterol nucleation
   b. Dietary calcium intake
   c. Gall bladder hypomotility
   d. Genetic factors such as LITH gene

123. For which of the following biliary manometry is most necessary before sphincterotomy
   a. Type I SOD
   b. Type II SOD
   c. Type III SOD
   d. Type IV SOD

124. A hilar tumor that starts below the confluence of hepatic ducts and reaches the confluence has Bismuth corlette classification of
   a. Type I
   b. Type II
   c. Type III a
   d. Type IV

125. Which hepatic structure allows a difference in concentration of solutes between cytoplasm and bile canaliculi?
   a. anchoring junction
   b. gap junction
   c. lipid raft
   d. Tight junction

126. Cholestasis and hepatocellular inflammation develop in a 55 yr. old man after aminopenicillin. Which of the following is most specific for diagnosis?
   a. drug rechallenge.
   b. in vitro testing
   c. liver biopsy.
   d. peripheral eosinophil count

127. Autoimmune thyroiditis Graves’ disease ulcerative colitis is most common extra hepatic manifestation of which of the following
   a. PBC
   b. Celiac disease
   c. type 1 AIH
   d. type II AIH.

128. Which of the following is best initial approach to treat systemic hypertension in the absence of volume overload after liver transplantation?
   a. ACE inhibitor
   b. Furosemide
   c. nifedipine
   d. reduction in dose of immunosuppressant

129. A 56 year old man presented with alcohol related cirrhosis. What is the principle mechanism of liver fibrosis?
   a. An alcohol mediated free radical injury
   b. chronic intra hepatic cholestasis.
   c. Increase in matrix degradation
   d. increase in stellate cell activation.

130. Diarrhea from cryptosporidiosis is most severe in
   a. Hiv patients CD4 >700
   b. Child bearing woman
   c. Patient with immunoglobulin deficiency
   d. Adolescent.

131. Most common symptom of acute mesenteric ischemia
   a. fever
   b. abdominal pain
   c. nausea vomiting.
   d. Bloody diarrhea

132. Which of following is not a gas produced by enteric bacteria
   a. CH4
   b. CO
   c. CO2
   d. H2

133. Following pair of organisms can reside in biliary tree-
   a. chlonorchis and strongyloides
   b. opisthorchis and enactor
   c. ascaris and fasciola.
   d. Fasciolopsis and fasciola

134. What is most common finding on XRAY in bowel ischemia –?
   a. Ileus
   b. thumb printing of right colon
   c. air in portal vein.
   d. normal

135. Most common cause of SIBO secondary to neoplasm-
   a. carcinoid tumor
   b. Advanced colorectal carcinoma
   c. Metastatic breast cancer
   d. endometrial carcinoma

136. What diameter is considered as threshold for colonic decompression in acute intestinal pseudobstruction-
   a. 6 cm
   b. 9 cm.
   c. 12 cm.
   d. 15 cm.

137. What is the initial test of choice for giardiasis?
   a. Stool ELISA
   b. Stool for ova parasite.
   C. duodenal aspirate.
   d. Stool acid fast stain
133. Which of the following is deficient in Cohn's disease?
   a. TNF
   b. NFkB
   c. T-regulatory cell
   d. IL-2

139. Vitamin B12 malabsorption will not general occur until more than how much of ileum is resected
   a. 10 cm
   b. 20 cm
   c. 30 cm.
   d. 40 cm.

140. The best duration of treatment to ensure 90% duodenal ulcer healing with H2 receptor antagonist is
   a. 1 week
   b. 2 weeks
   c. 4 weeks
   d. 8 weeks

141. Dysphagia with frequent choking and nasal regurgitation occurs in:
   a. Achalasia
   b. Shatzki's ring.
   c. Pharyngeal paralysis
   d. Diffuse esophageal spasm

142. Chagas' disease may be suspected if a patient has all except
   a. Constipation
   b. Dysphagia
   c. Heart failure
   d. Jaundice

143. The double stranded hepatitis B virus can survive outside the body for
   a. six to twelve hours
   b. one to two days
   c. C. two to seven days
   d. D more than seven days

144. In Achalasia the most appropriate long term therapy is:
   a. Nifedipine
   b. Domperidone
   c. Metoclopramide
   d. Balloon dilatation

145. What is the most effective treatment for solitary rectal ulcer syndrome?
   a. Cortisone enemas
   b. Mesalamine suppositories
   c. Mesalamine enemas
   d. Biofeedback

146. Which of the following cranial muscles does not innervate pharyngeal muscles?
   a. Hypoglossal
   b. Accessory
   c. Facial
   d. Trigeminal

147. The pathogenesis of peptic oesophagitis secondary to GERD is most dependent on which of the following
   a. Gastric acidity
   b. Pepsin
   c. A+b
   d. Gastric acid and bilirubin

148. You see a 67-year-old man with three month history of weight loss and signs which suggest Pancoast's tumour. Which of the following symptoms from the list below is not associated with a Pancoast's tumour?
   a. Hoarse voice
   b. Miosis
   c. Anhydrosis
   d. Exopthalmos
   e. Ptosis

149. A 63-year-old male was admitted 2 days after discharge following an apparently uncomplicated MI, He complained rapidly worsening, shortness of breath over the previous 48hrs but no further chest pain. He was tachypnoeic and had a regular pulse of 110/minute, which proved to be sinus tachycardia. The jugular venous pressure was raised and a pan-systolic murmur was noted, maximal at the left sternal edge. Diagnosis?
   a. Mitral incompetence
   b. Ventricular septal defect
   c. Aortic stenosis
   d. Dressler's syndrome
   e. Further myocardial infarction

150. A 30-year-old man presents to your clinic with a cough and finger clubbing. From the list below, which of these answers is not a respiratory cause of finger clubbing:
   a. Empyema
   b. Mesothelioma
   c. Bronchogenic carcinoma
   d. Cystic fibrosis
   e. COPD

151. Most common complications of typhoid fever
   a. Intestinal haemorrhage and perforation
   b. Orchitis
   c. Pancreatitis
   d. Myocarditis

152. Mode of transmission of typhoid fever is
   a. Mosquito borne
   b. Faeco-oral
   c. IV drug abuse
   d. None of the above

153. Typhoid myocarditis leads to
   a. ECG changes
   b. Elevated cardiac enzymes
   c. Arrhythmias
   d. All of above

154. Salmonella infects
   a. Ileum
   b. Duodenum
   c. Stomach
   d. Colon

155. Diagnosis of typhoid fever can be made by
   a. Widal test
   b. Salmonella typhi IgM
   c. Blood culture
   d. All of above
156. Which of the following clinical condition shows compromised immunity:-
   a. Pregnancy
   b. Ageing
   c. HIV infection
   d. All of the above

157. In general usual treatment protocol of HIV patients with OIs (opportunistic infections) is:-
   a. HIV therapy to initiate before definitive treatment of OIs is made.
   b. Treatment of OIs to initiate first before HIV therapy
   c. Both are to be treated simultaneously
   d. No particular norm

158. Kaposi’s Sarcoma – A viral disease, caused by
   a. HHV-8
   b. HPV
   c. EBV
   d. HSV

159. Kaposi’s Sarcoma is found with CD4 count of
   a. < 500 cells/ml
   b. < 200 cells/ml
   c. < 100 cells/ml
   d. In any CD4 count

160. Presence of HIV increase TB infection by
   a. 10 folds
   b. 50 folds
   c. 100 folds
   d. None of the above

161. Most common cause of anemia in pregnancy is
   a. Folate deficiency
   b. Copper deficiency
   c. Thalassemia
   d. Iron deficiency anemia

162. In pregnancy, following parameters are used as iron deficiency
   a. Serum iron < 60 mcg/dl
   b. Serum UIBC > 300 mcg/dl
   c. TIBC < 400 mcg/dl
   d. Serum ferritin < 30 ng/ml

163. Which of the statement is correct
   a. Megaloblastic anemia is the commonest cause of anemia in pregnancy
   b. Physiological anemia in pregnancy is due to disproportionate increase in red cell mass over plasma volume
   c. IV iron can be used in first trimester
   d. About 50% of pregnant ladies has iron deficiency anemia in developed countries

164. Following are causes of microcytic hypochromic anemia except
   a. Iron deficiency anemia
   b. Thalassemia
   c. Sideroblastic anemia
   d. Folate deficiency anemia

165. Following are common presenting features of iron deficiency anemia except
   a. Pica
   b. chelitis
   c. Glossitis
   d. Splenomegaly

166. Anemia in pregnancy is defined as hemoglobin
   a. Less than 9 gm/dl
   b. Less than 10 gm/dl
   c. Less than 11 gm/dl
   d. Less than 12 gm/dl

167. Maternal and fetal morbidity is more when hemoglobin is
   a. Less than 10 gm/dl
   b. Less than 11 gm/dl
   c. Less than 6 gm/dl
   d. Less than 9 gm/dl

168. Following are common side effects of oral iron except
   a. Pain abdomen
   b. Diarrhoea
   c. Constipation
   d. Fever

169. Postpartum anemia is defined as hemoglobin less than
   a. 10
   b. 11
   c. 13
   d. 8

170. Correct statement is
   a. All microcytic hypochromic anemia needs iron supplementation.
   b. IV iron is contraindicated in pregnancy.
   c. Vitamin C deficiency can lead to iron deficiency anemia by reducing absorption of iron.
   d. Oral and IV iron should be always used together in pregnant ladies with IDA.

171. Which of the following are first line antihypertensive agents for proteinuric CKD patients?
   a. ACEIs/ARBs
   b. CCBs
   c. Diuretics
   d. Beta blockers

172. Which is an absolute contraindication to ACEI therapy?
   a. unilateral RAS
   b. bilateral RAS
   c. fluid overload
   d. hypokalemia

173. Which ACEI has least incidence of hyperkalemia?
   a. enalapril
   b. ramipril
   c. captopril
   d. fosinopril

174. Which combination of antihypertensives is to be avoided?
   a. ACEI and amlodipine
   b. ACEI and diuretics
   c. Diltiazem and atenolol
   d. Metoprolol and prazosin
175. Which of the following diuretic has antiproteinuric action?
   a. Furosemide
   b. Torsemide
   c. Indapamide
   d. Spironolactone

176. Which of the following is true; SGLT2 Inhibitors cause:
   a. Increase in insulin secretion
   b. Retention of Sodium and oedema
   c. Natriuresis
   d. Loss of extracellular fluid volume
   e. High plasma uric acid levels

177. Principal action of SGLT2 inhibitors is:
   a. Renal glucosuria
   b. Reduced food intake
   c. Reduced gastric emptying
   d. Reduction in LDL levels
   e. Inhibition of alpha-glucosidase in the gut

178. Significant Cardiovascular Benefit is observed with the following antidiabetic drugs:
   a. Sulphonylureas
   b. Insulin
   c. Alpha-glucosidase inhibitors
   d. Pioglitazone
   e. SGLT2 Inhibitor Empagliflozin

179. Cardiovascular benefit with Empagliflozin within 3-6 months of therapy is possibly partly due to:
   a. Reduction of hyperglycemia and HbA1c
   b. Weight loss of 2 kg
   c. Increase in HDL cholesterol
   d. Decreased plasma Triglycerides
   e. Diuresis and decrease in Extracellular fluid volume

180. Cardiovascular benefit with Empagliflozin within 3-6 months of therapy is possibly partly due to:
   a. Decrease in blood pressure
   b. Increased plasma ketones
   c. Glucagon secretion
   d. Decreased arterial stiffness
   e. Decreased sympathetic tone

181. Clinical practice Guidelines provides all except
   a. A more rational basis for referral
   b. A focus for continuing education
   c. Inefficient use of resources
   d. None of the above

182. IGH III was published in JAPI in year
   a. 2012
   b. 2013
   c. 2014
   d. 2015

183. JNC 8 states that in the general population aged ≥60 years, initiate pharmacologic treatment if BP is ≥
   a. 130/90
   b. 140/90
   c. 150/90
   d. 160/90

184. In which IGH the term HFNEF (Heart Failure with normal Ejection Fraction) has been mentioned and explained for use in clinical practice
   a. IGH I
   b. IGH II
   c. IGH III
   d. None of the above

185. Which recent Hypertension Guideline recognizes ABPM and HBPM as tool with criteria for diagnosis of Hypertension
   a. JNC 8
   b. NICE
   c. IGH III
   d. None of the Above

186. A 55-year-old man complains of a 4-week history of general malaise and fatigue
   - Investigation
   - Haemoglobin 12 g/dL
   - MCV 90 fL
   - Platelet count 250 × 10^9/L
   - WBC 10 × 10^9/L
   - Serum iron 10 μmol/L
   - Total iron-binding capacity 40 μmol/L
   - Serum ferritin 160 μg/L
   a. Thalassaemia
   b. Iron deficiency anaemia
   c. Anaemia of chronic disease
   d. Macrocytic anaemia
   e. Aplastic anaemia

187. A 55-year-old woman complains of double vision. She is tired all the time and has difficulty climbing stairs. She has difficulty getting items off shelves. Reflexes are absent but elicited after exercise. Initial shoulder abduction is 4/5 but on repeated testing is 4+/5. What is the pathology associated with this female's diagnosis?
   a. Thyrotoxicosis
   b. Peptic ulcer
   c. Diabetes
   d. Stroke
   e. Lung cancer

188. A neurologist is examining a patient. She takes the patient's middle finger and flicks the distal phalanx, her thumb contracts in response. What sign has been elicited?
   a. Chvostek’s
   b. Glabellar
   c. Hoffman’s
   d. Tinel’s
   e. Babinski’s

189. Which of the following is not a cause of absent ankle jerks and up-going plantars?
   a. Friedreich's ataxia
   b. B12 deficiency
   c. Cord compression
   d. Motor neurone disease
190. Which of the following extra-intestinal signs is not seen in ulcerative colitis?
   a. Finger clubbing
   b. Erythema nodosum
   c. Iritis
   d. Sacroiliitis
   e. Granuloma annulare

191. A 60-year-old man presents with signs and symptoms associated with pulmonary sarcoidosis which was diagnosed nine months ago. From the list below which of the following is not an extrapulmonary manifestation of sarcoidosis?
   a. Lupus pernio
   b. Anterior uveitis
   c. Erythema marginatum
   d. Hepatic granuloma infiltration

192. Bedaquiline is the drug for
   a. Enteric fever
   b. TB
   c. Filariasis
   d. IBS

193. A 44-year-old man presents with non-specific symptoms of fever, shortness of breath and syncope. Blood tests show a raised erythrocyte sedimentation rate (ESR) and a transoesophageal echo shows an atrial myxoma. What is characteristically heard on auscultation in atrial myxoma?
   a. End-diastolic murmur
   b. Loud first heart sound
   c. Fourth heart sound
   d. Pansystolic murmur
   e. Loud third heart sound

194. Hot potato voice is a feature of:
   a. Hypothyroidism
   b. Ludwig angina
   c. Oropharyngeal candidiasis
   d. parkinsons disease

195. Blue toe syndrome is best related to:
   a. Frost bite
   b. Raynaud’s phenomenon
   c. Atheroembo
   d. AV fistula

196. Multiple myeloma is also known as:
   a. Kahlers disease
   b. Strohls disease
   c. Kayles disease
   d. Migasha disease

197. Normally neutrophils spend how much time in circulation?
   a. 2-3 hrs
   b. 6-7 hrs
   c. 12-24 hrs
   d. 24-36 hrs

198. Which of the following is an iron regulatory hormone?
   a. Ferritin
   b. Transferrin
   c. Erythropoitin
   d. Hepcidin

199. Whipple triad include, A/E
   a. hypoglycaemic symptom
   b. low plasma glucose level
   c. relief of symptoms when blood glucose is normal
   d. history of insulin use

200. DKA most commonly occurs in
   a. Type 1 DM
   b. Type 2 DM
   c. MODY
   d. LADA

201. All of the following virus can cause diabetes mellitus except
   a. congenital rubella
   b. CMV
   c. EBV
   d. coxsackie

202. DRUGS THAT CAN CAUSE DIABETES MELLITUS A/E
   a. phenytoin
   b. beta blockers
   c. thyroid hormone
   d. thiazides

203. Which country has highest incidence of type1 DM
   a. JAPAN
   b. CHINA
   c. SCANDINAVIA
   d. USA

204. American diabetic association(ADA) recommends screening for DM in which of the following?
   a. more than 40 yrs every 3 yrs
   b. more than 40 yrs every 1 yr
   c. more than 45 yrs every 3 yrs
   d. more than 45 yrs every 1 yr

205. DKA is characterised by A/E
   a. Hyperglycemia
   b. Metabolic acidosis PH<7.3
   c. Serum bicarbonate >24meq/L
   d. ketonuria

206. In women with high risk of GDM screening for glucose intolerance should be done between which weeks of pregnancy
   a. 3-12
   b. 12-24
   c. 24-28
   d. 28-36

207. If both parents have type 2 DM the risk of developing diabetes is
   a. 10%-20%
   b. 20%-30%
   c. 30%-40%
   d. 40%-50%

208. Other than insulin beta cells also secrete
   a. ptyalin
   b. amylin
   c. amylase
   d. lipase
209. What proportion of insulin in portal system is degraded by the liver
a. 10%
 b. 25%
c. 50%
d. 75%

210. When transitioning for insulin infenic to SC insulin regimen in HHS/DKA stop insulin infusion
a. immediately on administration of subcutaneous insulin
b. 5 hrs after administration of subcutaneous insulin
c. 1 to 2 hr before administration of subcutaneous insulin
d. 1 to 2 hr after administration of subcutaneous insulin

211. For every 100mg/dl rise in serum glucose serum sodium is reduced by
a. 1 meq/l
b. 1.2 meq/l
c. 1.4 meq/l
d. 1.6 meq/l

212. Which of the following drug may cause false positive reactions in nitrocrusside test used to detect urine ketones
a. captoprill
b. atrovastatin
c. aspirin
d. azithromycin

213. Diabetic foot infection is commonly due to A/E
a. diabetic peripheral neuropathy
b. anaerobic infection
c. peripheral vascular disease
d. recurrent trauma

214. 19 yr female with type 1 DM, WHICH OF THE FOLLOWING DENOTES AUTOIMMUNE CONDITION ASSOCIATED except
a. Vitiligo
b. Dermatitis herpeti fermis
c. Necrolytic mygratory erythema
d. goitre

215. With insulin therapy in DKA which of the following resolves first
a. acidosis
b. ketosis
c. hyperglycaemia
d. hyperchloremia

216. 60 yrs male Type 2 DM on follow up with 1000mg metformin he does SMBG prior to breakfast and prior to dinner HBA1C is 7.4,fasting blood sugar108,pre-dinner 126 average 152 mg%. why there is discrepancy in hba1c and abg
a. unrecognized IDA(iron deficiency anaemia)
b. inaccurate glucometer
c. post prandial blood glucose
d. metformin use

217. 50 yr Type2 DM HBA1C 7.0,mild diabetic retinopathy,microalbuminuria,hypertension O/E bp-138/82mm hg,LDL 110,HDL 42,TG 180 according to IDF guidelines
a. glycemic control,hypertension,LDL at target
b. bp at target
c. HDL at target
d. TG,BP at target

218. Individuals who have DM for more than 20 years what is the probability of detecting nonproliferative retinopathy
a. 25%
b. 50%
c. 75%
d. 100%

219. In a spot urine collection microalbuminaria is defined as
a. 10-100 microgram/mg creatinine
b. 20-200 microgram/mg creatinine
c. 30-300 microgram/mg creatinine
d. 40-400 microgram/mg creatinine

220. Involvement of which of the following cranial nerve is most common in DM
a. II
b. III
c. VI
d. VII

221. Most common partner in dyslipidemia in DM is
a. increase LDLc
b. reduce HDLc
c. increase VLDL
d. increase TG

222. Earliest sign of diabetic neuropathy is
a. erectile dysfunction
b. gastroparesis
c. anhydrosis of lower extremity
d. distal Periphaeal neuropathy

223. 1% rise in HbA1c translates into how much increase in mean glucose level
a. 15mg/dl
b. 25mg/dl
c. 35mg/dl
d. 45mg/dl

224. Anti GAD antibody are present in how many % of type1 DM
a. 50
b. 60
c. 70
d. 80

225. In hospital mortality of patients with stress hyperglycaemia compared with afe related impatient with normoglycaemia increases by factor
a. 3
b. 6
c. 9
d. 18

226. AACE and ADA guidelines for management of inpatient hyperglycaemia(mg%)
a. 90-110
b. 110-140
c. 140-180
d. 180-220
227. Exenatide was originally isolated from
a. snake venom
b. lizard venom
c. spider venom
d. scorpion venom
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