

**PGI MCQ** Questions June 12 2002

Recollected Medical questions from MD/MS entrance exams.

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1. ALL is predisposed to by
  - a. Blooms syndrome
  - b. Fanconi's syndrome
  - c. Ataxic telengectasia
  - d. Turners syndrome
  - e. Diamond blackfan syndrome
2. Klinefelters syndrome is associated with
  - a. XXY
  - b. Male phenotype
  - c. Infertility
  - d. Azoospermia
  - e. Bar body absent
3. True about testicular feminization is/are
  - a. Testes present
  - b. Female phenotype
  - c. XY
  - d. Secondary amenorrhea
  - e. Uterus present
4. The activity of the following enzymes is decreased in starvation
  - a. Acy carnitine tranferase
  - b. Lipoprotien lipase
  - c. Citrate cleavage enzyme
  - d. Fatty acid synthase
  - e. Phosphoglucomutase
5. Regarding laryngomalacia true is/are
  - a. Most common cause of stridor in newborn
  - b. Sigma shaped epiglottis
  - c. Inspiratory stridor
  - d. Most require surgery
  - e. Stridor worsens on lying in prone position
6. When acute appendicitis is suspected it can be confirmed by
  - a. Clinical examination
  - b. Ultrasound
  - c. CT scan
  - d. TLC and DLC
  - e. Upper GI endoscopy
7. A female presenting with history of rash and polyarthritis. It is associated with
  - a. Antinuclear antibody
  - b. RA factor is positive
  - c. Bad obstetric history
  - d. Increased PTT
  - e. HLA B 27
8. All of the following are blood buffers except
  - a. Phosphates
  - b. Plasma proteins
  - c. Bicarbonates
  - d. Oxygen
  - e. Heamoglobin
9. Supine hypotension is seen in
  - a. Obesity
  - b. Ascites
  - c. Abdominal tumors
  - d. Pregnancy
  - e. Bradycardia
10. Lipid lowering drugs act on
  - a. HMG coA synthetase
  - b. HMG coA reductase
  - c. Mevalonate kinase
  - d. Lipase
  - e. Acyl coA transferase
11. Sterilizing agents include
  - a. Cyclohexidene
  - b. Ethelyne oxide
  - c. Diethyl ether
  - d. Gallamine
12. A patient presenting with a fasting blood sugar of 180 and post prandial sugar of 260. The management in his case include
  - a. Glibenclamide
  - b. Diet therapy + exercise

- c. Diet therapy + exercise + metphormin  
d. Insulin  
e. Chlorpropamide
13. IgE is secreted by  
a. Mast cells  
b. Eosinophils  
c. Plasma cells  
d. Basophils  
e. Neutrophils
14. Classical complement pathway is activated by  
a. IgG  
b. IgA  
c. IgM  
d. IgE  
e. IgD
15. 3<sup>rd</sup> nerve palsy is caused by  
a. Posterior communicating artery aneurysm  
b. Mid brain infarct  
c. Lateral medullary lesions  
d. Pons infarct  
e. Cerebellar tumors
16. Bilateral enlarged kidneys are seen in  
a. Chronic glomerulonephritis  
b. Pyelonephritis  
c. Benign nephrosclerosis  
d. Polycystic kidneys  
e. Amylodosis
17. Trophic ulcers are caused by  
a. Leprosy  
b. Deep vein thrombosis  
c. Burgers disease  
d. Secondary syphilis
18. Burgers disease is associated with  
a. Smoking  
b. Poor nutrition  
c. Alcoholic  
d. Prolonged standing  
e. Superficial thrombophlebitis
19. Hormones secreted by adrenal medulla are  
a. Glucagon  
b. Epinephrine  
c. Cortisol  
d. Insulin  
e. Thyroxine
20. Hemithorax opacity with contralateral shift of mediastinum is  
a. Massive pleural effusion  
b. Consolidation  
c. Collapse of lung  
d. Large mass  
e. Pneumothorax
21. Substrate level phosphorylation is seen in association with  
a. Succinate dehydrogenase  
b. Alpha ketoglutarate dehydrogenase  
c. Succinate thiokinase  
d. Malanate dehydrogenase  
e. Cis-aconitase
22. Alkylating agents include  
a. Doxorubicin  
b. Chlorambucil  
c. Vincristine  
d. Nitrogen mustard  
e. Busulphan
23. Submucous glands are present in  
a. Oesophagus  
b. Doudenum  
c. Stomach  
d. Ascending colon  
e. Ileum
24. True regarding Pendreds syndrome is  
a. Consistently associated with deafness  
b. Hypothyroidism  
c. Mutation in the connexion coding region  
d. Mutation in chromosome 21 causing reeceptor defect
25. True about carotid body tumor is  
a. Non chromaffin paraganglioma  
b. Good prognosis  
c. Rarely metastasize  
d. Is similar to mixed parotid tumor
26. Burkits lymphoma is associated with  
a. B cell lymphoma

- 6-14 translocation
- b. Can present with abdominal mass
- c. Radithery is used in treatment
27. Hepatic infarcts are seen in
- a. Preeclampsia
- b. Chronic venous congestion
- c. Budd chiarr syndrome
- d. Sepsis
- e. Extrahepatic biliary atresia
28. Anti psychotics used in treatment of shizophrenia are
- a. Halopredol
- b. Chlorpromozine
- c. Immipramine
- d. Olanzapine
- e. Resperidone
29. Interventricular septum is developed from
- a. Conus septum
- b. Endocardial cushion defect
- c. Left horn of sinus venosus
- d. Ostium septum
- e. Truncus septum
30. Physiological changes in pregnancy are
- a. Insulin level is increased
- b. There is increased BMR
- c. Hypothyroidism
- d. Growth hormone levels are decreased
31. High hepatic extraction ration is seen
- a. Propranolol
- b. Lidocaine
- c. Diazepam
- d. Phenytoin
- e. Theophylline
32. The amino acid which is associated with atherosclerosis
- a. Arginine
- b. Homocysteine
- c. Cysteine
- d. Tryptophan
- e. Alanine
33. Varicose viens are seen in
- a. Deep vein thrombosis
- b. Superficial venous thrombosis
- c. AV fistula
- d. Prolonged standing
- e. Hypertension
34. Superficial perineal muscles include
- a. Superficial transverse peroneii
- b. Bulbospongiosis
- c. Ischiocavernosis
- d. Iliococcygeous
- e. Pubococcygeous
35. The visual pathway consists of all of the following except
- a. Optic tract
- b. Geniculocalcerine fissure
- c. Lateral geniculate body
- d. Inferior colliculous
- e. Pretectal region
36. Plantar flexion is brought about by which of the following muscles
- a. Plantaris
- b. Flexor hallucis longus
- c. Tibialis anterior
- d. Peroneus brevis
- e. Soleus
37. Adductors of the vocal cords include
- a. Posterior cricoaretenoids
- b. Cricothyroid
- c. Anterior cricoaretenoids
- d. Aretenoepiglottis
- e. Transverse cricoaretenoids
38. Branches of anterior internal iliac arteries include
- a. Posterior gluteal
- b. Uterine
- c. Obturator
- d. Pudental
- e. Iliolumbar
39. In a CT scan cut section at the level of the celiac trunk, which of the following structures can be identified
- a. Pancreas
- b. Gall bladder
- c. Inferior vena cava
- d. Duodenum

- e. Portal vein
40. In oculomotor nerve palsy, which of the following causes can be implicated
- Posterior communicating artery aneurysm
  - Tolosa Hunt syndrome
  - Midbrain infarct
  - Pons Infarct
  - Lateral medullary lesions
41. Branches of the basilar artery include
- Posterior inferior cerebral artery
  - Posterior cerebral artery
  - Middle cerebral artery
  - Posterior communicating artery
  - Anterior cerebral artery
42. Regarding acid secretion in the stomach
- Increased gastrin secretion increases secretion
  - Secretin decreases secretion
  - Fractional test meal is the best screening index
  - H<sub>2</sub> receptor blockers block acid secretion
  - Total acid secretion reflects on the functional parietal cell mass
43. In a patient with transplanted heart which of the following are reasons for increased cardiac output in him during exercise
- Reinnervation of the heart by the vagus
  - Intrinsic mechanisms
  - Increased epinephrine released from medulla
  - Bainbridge reflex
  - Due to Starlings effect
44. Regarding the renal excretion
- Sodium reabsorption occurs in the DCT
  - Potassium is both excreted and reabsorbed in the tubules
  - Haemoglobin is not excreted in the glomerulus as it is a large molecule
  - Glucose is reabsorbed in the DCT
  - Amino acids are reabsorbed in the collecting ducts
45. The histopathological features of Shock include
- Acute tubular necrosis
  - Lung infarcts
  - Depletion of lipids in adrenal medulla
  - Periportal hepatic necrosis
  - Depletion of lymphocytes
46. In a patient which of the following would cause rhabdomyolysis and myoglobinuria
- Hyperpyrexia
  - Viper snake venom
  - Multiple hornet stings
  - Prolonged coma
  - Anemia
47. In the body bilirubin is obtained from
- Haemoglobin
  - Myoglobin
  - Muscle
  - Cholesterol
  - Amino acids
48. All of the following are required for fat digestion except
- Bile pigment
  - Gastric lipase
  - Colipase
  - Bile salts
  - Pancreatic lipase
49. Causes of sterile pyuria without urinary tract infection include
- Cortical tubercular abscess
  - Pyelonephritis
  - Fungal infection
  - Gonococcal infection
  - Urolithiasis
50. Criteria for diagnosis of multiple myeloma include

- a. Plasma cells in bone marrow greater than 30%
  - b. Bence Jones proteins
  - c. Lytic bone lesions
  - d. Decreased beta 2 microglobulins
  - e. Rouleux formation in the blood
51. In a patient with acute arsenic poisoning which of the following strictures would show accumulation of arsenic
- a. Liver
  - b. Bone marrow
  - c. Skin
  - d. Kidney
  - e. Brain
52. Both hepatic and renal failures can be caused by which of the following
- a. Paracetamol toxicity
  - b. Carbon tetrachloride
  - c. Arsenic
  - d. Copper sulphate
  - e. Silver nitrate
53. Chronic arsenic poisoning causes
- a. Pure sensory neuropathy
  - b. Pure Motor neuropathy
  - c. Mixed motor and sensory neuropathy
  - d. Painful neuropathy
  - e. Hyperkeratosis
54. Widmarks formula is used for estimation of
- a. Cocaine
  - b. Arsenic
  - c. Alcohol
  - d. Carbon monoxide
  - e. Lead
55. McNaughtens rule is applicable in
- a. Calculating length of fetus
  - b. In estimating stature
  - c. In insanity
  - d. In dactylography
  - e. To detect metals
56. Not seen in Wrights stain is
- a. Reticulocytes
  - b. Basophilic stippling
  - c. Heinz bodies
  - d. Howell jolly bodies
  - e. Clot rings
57. Motor neuropathy is caused by
- a. Dapsone
  - b. Cisplatin
  - c. Arsenic
  - d. Lead
  - e. Hypothyroidism
58. Tardy ulnar nerve palsy is caused by
- a. Supracondylar #
  - b. Lateral condyle #
  - c. Olecranon #
  - d. Distal radioulnar dislocation
  - e. Medial condylar #
59. Hb A<sub>2</sub> is increased in
- a. Alpha thallemia
  - b. Iron deficiency anemia
  - c. Beta thallemia
  - d. Sickle cell trait
  - e. Megaloblastic anemia
60. Metaphysical lesions seen commonly are
- a. Metaphyseal fractures
  - b. Osteomyelitis
  - c. Osteosarcoma
  - d. Ewings sarcoma
  - e. Osteoclastoma
61. True regarding salmonella gastroenteritis include
- a. Mainly diagnosed by serology
  - b. Blood and mucous are present in stools
  - c. Caused via animal products
  - d. Symptoms appear between 8 - 48 hours
  - e. The features are mainly due to exotoxin released
62. True regarding E-Coli is/are
- a. The LT labile toxin in ETEC acts via cAMP
  - b. In those types causing urinary infections the organism attaches by pili antigen

- c. The ST stable toxin of ETEC is responsible for causation of HUS
- d. The EIEC invasiveness is under plasmid control
- e. In EPEC the toxin helps in invasion of the organism
63. The sputum examination under district TB control programme is done when the patient presents with which of the following
- Cough for 1-2 weeks
  - Cough for 3-4 weeks
  - Haemoptysis
  - Chest pain
  - Intermittent fever
64. In cryptococcal infection the organism can be readily demonstrated by
- Albert's stain
  - India ink stain
  - Giemsa stain
  - Grams stain
  - Zeil Niehlson stain
65. Regarding HSV 2 infection which of the following are correct
- Primary infection is usually wide spread
  - Recurrent attacks occur due to latent infection
  - Encephalitis is commonly caused by it
  - Newborn acquires the infection via the birth canal or at the time of labor
    - Treatment is by acyclovir
66. IgE is secreted by
- Mast cells
  - Eosinophils
  - Basophils
  - Plasma cells
  - Neutrophils
67. The T helper cell subtype attach to which of the following sites
- MHC I cells
  - MHC II cells
  - Processed peptide
  - CD8
  - Delta region
68. Apart from B cells, T cells there is a distinct third type of lymphocytes. They are
- MHC cells
  - NK cells
  - Macrophages
  - Neutrophils
  - Eosinophils
69. All of the following are antigen presenting cells except
- T cells
  - B cells
  - Fibroblasts
  - Dendritic cells
  - Langerhans cells
70. All of the following are true regarding H pylori except
- Gram negative bacilli
  - Strongly associated with Duodenal ulcer
  - Associated with lymphoma
  - C14 urea breath test is used in the diagnosis
  - It should be eradicated in all cases when ever detected
71. Breast cancer is seen more commonly in women who
- Consume non vegetarian food
  - Have early menopause
  - Smoke
  - Have multiple sex partners
  - Who did not breast feed their babies
72. Predisposing factors in colonic cancer is/are
- Animal fat consumption
  - Familial adenomatous polyposis
  - Ulcerative colitis
  - Crohns disease
  - Tuberculosis

73. Abdominoperineal resection is preferred in colorectal cancer based on which of the following
- Age of patient
  - Distance from anal verge
  - Fixity of tumor
  - Hepatic metastasis
  - Extent of tumor
74. Predisposing factors for skin cancer are
- Lichen planus
  - Leukoplakia
  - Bowens disease
  - Psoriasis
  - Behcets disease
75. True regarding ankylosing spondylitis is
- More common in men
  - Associated with HLA B 27
  - Associated with B8
  - Affects only small joints
76. Squamous cell carcinoma in bladder is predisposed to by
- Urolithiasis
  - Shistosomiasis
  - Persistent urachus
  - Polyp
  - Smoking
77. Restrictive Fragment Length Polymorphism is used in the diagnosis of
- Thallemia
  - Sickle cell trait
  - Gilbert's syndrome
  - Phenylketonuria
  - Von Gierke's disease
78. True regarding Gilberts syndrome is/are
- Unconjugated hyperbilirubinemia
  - Increased liver transaminases
  - Bleeding tendencies
  - Autoantibodies are present
79. Regarding cholestasis of pregnancy which of the following is/are true
- Deep jaundice is present
  - Pruritus is the 1<sup>st</sup> symptom
  - Maximum during the third trimester
  - Raised liver transaminases
80. Purpuric rashes are seen in
- Dengue
  - Borrelia
  - Secondary syphilis
  - Measles
  - Typhoid
81. The most sensitive structure in a cell for radiotherapy is
- Cell membrane
  - Mitochondria membrane
  - DNA
  - Plasma membrane
  - Cell enzymes
82. In spectroscopy nucleotides absorb at 260 nm wavelength. This absorption is due to
- Purines and pyrimidines
  - Deoxyribose
  - Ribose
  - Histones
  - Phosphates
83. Regarding oncogenesis
- Topoisomerase II causes break in both strands
  - P53 is the most common oncogene mutation causing cancer in humans
  - At G2-M phase there is loss of inhibitors controlling cell cycle
  - Decrease in telomerase activity causes antitumor effect
84. The investigation of choice in acute cholecystitis is
- Ultrasound
  - HIDA scan
  - CT scan
  - Oral cholestogram
  - MRI
85. All can cause hyperglycemia except
- Growth hormone
  - Cortisol

- c. Epinephrine  
d. Glucagon  
e. Insulin
86. Primary hyperparathyroidism is caused by
- Parathyroid hyperplasia
  - Parathyroid adenoma
  - MEN syndrome
  - Thyrotoxicosis
  - Chronic renal failure
87. Hyperphosphatemia with hypocalcemia is seen in
- CRF
  - Pseudohypoparathyroidism
  - Tumor lysis syndrome
  - Vitamin D intoxication
  - Sarcoidosis
88. Raised calcium and phosphate is seen in
- Chronic renal failure
  - Vitamin D intoxication
  - Hyperparathyroidism
  - Pseudohypoparathyroidism
  - Sarcoidosis
89. Hypokalemia is associated with
- Furosemide
  - Cortisol
  - Metabolic acidosis
  - Amiloride
  - Addison's disease
90. VIPOMA is associated with
- Watery diarrhea
  - Hypochlorhydria
  - Hyperchlorhydria
  - Hyperkalemia
  - Hypokalemia
91. Universal finding in Asthma is
- Hypoxia
  - Hypercarbia
  - Hypoxemia
  - Respiratory acidosis
  - Metabolic acidosis
92. Which of the following are seen in DIC
- Increased PT
  - Increased BT
  - Decreased fibrinogen degradation products
  - Normal platelet count
  - Decreased fibrinogen
93. True regarding postmenopausal osteoporosis is/are
- Decreased Vitamin D
  - Decreased calcium
  - Normal serum chemistries
  - Decreased Vitamin C
  - Ammenorrhea
94. Varicose veins are seen in
- Deep vein thrombosis
  - Superficial venous thrombosis
  - AV fistula
  - Prolonged standing
  - Hypertension
95. Trendlenburgs test is positive in
- Saphenofemoral incompetence
  - Perforator incompetence above knee
  - Deep vein incompetence
  - Perforator incompetence below knee
  - Superficial thrombophlebitis
96. True regarding A-V fistula is/are
- Leads to cardiac failure
  - Local gigantism
  - Causes ulcers
  - Causes excess bleeding on injury
  - Closes spontaneously
97. The causes of dilated cardiomyopathy are
- Viral myocarditis
  - Amyloidosis
  - Alcohol
  - Lofflers endocarditis
  - Post partum cardiomyopathy
98. In comparison between restrictive cardiomyopathy and constrictive pericarditis they are differentiated as in constrictive pericarditis

- a. The diastolic pressures are equalized  
b. There is mild pericardial effusion  
c. The pulmonary artery pressure is lesser than 50 mmHg  
d. Presence of right heart failure  
e. Associated with septal hypertrophy
99. True regarding inverted papilloma is  
a. Common in children  
b. Arises from the lateral wall  
c. Always benign  
d. Can be premalignant  
e. Causes obstruction in nose
100. Which of the following are true about carcinoma larynx  
a. The glottic carcinoma is the MC  
b. Supraglottic has the best prognosis  
c. Lymphatic spread is most common in the subglottic type  
d. T1 tumor involving the glottis is best treated with radiotherapy only  
e. Lymphatic spread is most common in supraglottic type
101. A 14 year old boy presented with epistaxis and a swelling in the cheek. Which of the following is true regarding his condition  
a. Diagnosis is nasopharyngeal angiofibroma  
b. Contrast CT is used to see the extent  
c. Has high propensity to spread to lymphnodes  
d. It arises from the roof of the nasopharynx  
e. Surgery is treatment of choice
102. Metabolites of tryptophan can give rise to which of the following symptoms  
a. Hypotension  
b. Vasoconstriction  
c. Sweating  
d. Predispose to albinism  
e. Increase phenylketonuria
103. The amino acid which is associated with atherosclerosis  
a. Arginine  
b. Homocysteine  
c. Cysteine  
d. Tryptophan  
e. Alanine
104. Hyperbaric oxygen is used in which of the following  
a. Carbon monoxide poisoning  
b. ARDS  
c. Anaerobic infection  
d. Septicemia  
e. Pneumonia
105. Predisposing factors for gastric cancer include  
a. Atrophic gastritis  
b. Hyperplastic polyp  
c. Adenomatous polyp  
d. Achlorhydria  
e. Animal fat consumption
106. Which of the following are seen in apoptosis  
a. Membrane blebs  
b. Inflammation  
c. Nuclear fragmentation  
d. Spindle formation  
e. Cell swelling
107. True regarding recurrent thrombophlebitis (migratory thrombophlebitis) is
108. Which of the following investigations would U do for a case of strangulated hernia  
a. Xray abdomen  
b. Ultrasound abdomen  
c. Aspiration of the contents of the sac  
d. Correction of volume for hypovolemia  
e. Prepare the OT for urgent surgery

109. True regarding carcinoma gall bladder is
- Squamous cell carcinoma is the most common type
  - Presents with jaundice
  - Good prognosis
  - Gall stones predispose
  - 65% survival after surgery
110. Genetic abnormalities in the fetus can be diagnosed by
- Maternal serum
  - Maternal urine
  - Amniotic fluid
  - Chorionic villi
  - Fetal blood
111. Membranous glomerulonephritis is associated with
- Renal vein thrombosis
  - Hodgkins disease
  - Subepithelial dense deposits
  - Haematuria
  - Acute nephritis
112. Sensorineural deafness is seen in
- Alports syndrome
  - Pierre Robins syndrome
  - Pendreds syndrome
  - Treacher Collins syndrome
  - Gauchers syndrome
113. Haemoptysis is seen in
- Mitral stenosis
  - Bronchogenic carcinoma
  - Bronchiectasis
  - Pneumonia
  - Empyema
114. Morphine can be administered as
- Inhalation
  - Rectal
  - Subcutaneous
  - IV
  - Intramuscular
115. Properties making cardioselective beta blockers desirable are
- Lesser Bronchoconstriction
  - No adverse effect on lipid profile
  - Less glucose intolerance
  - Can be used in Raynauds disease
  - Lesser AV block
116. Arteriolar dilators used in the treatment of congestive heart failure include
- Hydralizine
  - Nifedipine
  - Prazosin
  - Enalapril
  - Nitrates
117. Diseases caused by EBV include
- Infectious mononucleosis
  - Burkitts lymphoma
  - Kaposi's sarcoma
  - Nasopharyngeal carcinoma
  - Herpangina
118. High hepatic extraction ration is seen
- Propranolol
  - Lidocaine
  - Diazepam
  - Phenytoin
  - Theophylline
119. The drugs which increase level of theophylline include
- Ciprofloxacin
  - Barbiturates
  - Cimetidine
  - Allopurinol
  - Phenytoin
120. Antipsychotics with lesser extrapyramidal side effects include
- Clozapine
  - Respiridone
  - Thioridazine
  - Chlorpromazine
  - Haloperidol

121. Which of the following is true
- Imipramine is used in the treatment of Endogenous depression
  - Diazepam has lesser sedative propensity as compared to barbiturates
  - Fluvaxamine is associated with weight gain
  - Thioridazine causes lesser extrapyramidal side effects
122. Drugs used in the treatment of Schizophrenia include
- Chlorpromazine
  - Haloperidol
  - Olanzapine
  - Imipramine
  - Resperidone
123. Schizophrenia has which of the following features in common with depression
- Formal thought disorder
  - Social withdrawal
  - Poor personal care
  - Decreased interest in sex
  - Inappropriate behavior
124. Suicidal tendencies are seen in
- Schizophrenia
  - Post traumatic stress disorder
  - Depression
  - OCD
  - Anxiety disorder
125. Features seen in Obsessions and compulsions is/are
- Repetitiveness
  - Irresistibility
  - Unpleasant
  - Social withdrawal
  - Poor personal care
126. Pleural fibrosis is caused by
- Phenytoin
  - Methysegide
  - Amiodarone
  - Ergotamine
  - Ranitidine
127. True regarding bromocriptine
- Natural derivative
  - Synthetic derivative
  - Also has alpha blocking property
  - Decreases GI motility
  - Acts on both D1 and D2
128. A lady with 16 weeks pregnancy presents with acute appendicitis. Management includes
- Conservative treatment
  - Do early surgery
  - Appendectomy with termination of pregnancy
  - Appendectomy following child birth after 3<sup>rd</sup> trimester
  - Medical treatment with surgery on recurrence
129. A lady with 4 months ammenorhea presents with pain abdomen, constipation, and vomiting. What will be done in her management
- X ray abdomen
  - USG
  - CT scan
  - Complete obstetrical evaluation
130. True regarding hirshsprungs disease is/are
- Seen in infants and children only
  - Absence of auerbachs plexus in the involved segment
  - The involved segment is the dilated colon
  - Bleeding per rectum is a presenting feature
  - Surgery is used in the treatment
131. True about achalasia cardia is/are
- Dysphagia is a presenting feature
  - Absence of auerbachs plexus is the cause
  - Eosophagectomy is used in treatment

- d. Barium swallow shows irregular filling defect in the lower esophagus
- e. Motility improving agents are used in treatment
132. Bone marrow transplantation is indicated in
- Osteopetrosis
  - Heamophilia
  - Mucopolysaccharidosis
  - Ineffective erythropoeisis
  - Diamond Blackfan syndrome
133. Pancytopenia is seen in
- Aplastic anemia
  - Megaloblastic anemia
  - Myelofibrosis
  - Myelodysplastic syndrome
  - Diamond Blackfan syndrome
134. Massive splenomegaly is associated with
- Gauchers
  - Chronic kala azar
  - CML
  - Myelodysplastic syndrome
  - Splenic infarcts
135. Intravenous gammaglobulins are used in
- Myasthenia Gravis
  - Multiple myeloma
  - ITP
  - Takayasu's arteritis
  - HUS
136. Perurethral catheterization is indicated in which of the following conditions
- Prostatic carcinoma
  - Urethral trauma
  - Urethral stricture
  - Before taking the patient in for appendectomy
  - Post op retention
137. The antigen binding region on the antibody is/are
- Hinge region
  - Constant region
  - Variable region
  - Hypervariable region
  - Idiotypic region
138. ANCA is associated with
- Wegeners granulomatosis
  - Churg struas disease
  - Microscopic Polyangitis
  - Takayasu's arteritis
  - SLE
139. Find the correct match among the following
- ANCA - Takayasu's arteritis
  - Antihistone antibodies - SLE in the newborn
  - Naproxone - Pseudoporphyria
  - Antimitochondrial antibody-PBC
140. Peripheral pulmonic stenosis is associated with all except
- Sub aortic stenosis
  - Takayasu's arteritis
  - William's syndrome
  - Coarctation of aorta
  - Rubella
141. Wide split S<sub>2</sub> is seen in
- Endocardial cushion defect
  - Ebstien anomaly
  - Transposition of great vessels
  - Anomalous origin of pulmonary artery
  - Truncus arteriosus
142. True about Hepatocellular carcinoma is/are
- Most commonly associated with HBV/HCV
  - Cirrhosis is usually predisposing
  - Fibrolamellar variety is not associated with cirrhosis
  - Less propensity of vascular invasion
  - Alcoholic cirrhosis does not predispose to cancer

143. Immunofluorescence test in skin is positive in
- Scabies
  - Lichen planus
  - Pemphigus vulgaris
  - Erythema Multiforme
  - Atopic dermatitis
144. Mucous lesions are seen in
- Secondary syphilis
  - Dermatitis herpetiformis
  - Psoriasis
  - Pemphigus
  - Porphyria
145. Looser zones are seen
- Osteoporosis
  - Hyperparathyroidism
  - Osteomalacia
  - Multiple myeloma
  - Paget's
146. Osteoarthritis commonly involves
- Proximal interphalangeal joint
  - Distal interphalangeal joint
  - 1<sup>st</sup> carpophalangeal joint
  - Wrist joint
  - Distal radioulnar joint
147. Early morning stiffness is seen in
- Osteoarthritis
  - Ankylosing spondylitis
  - Rheumatoid arthritis
  - SLE associated arthritis
  - Psoriasis
148. Fracture of talus without displacement in X ray would give rise to
- Avascular necrosis of Body of talus
  - Avascular necrosis of neck of talus
  - Osteoarthritis of ankle
  - Osteonecrosis of head of talus
149. McMurray's test is positive in damage to
- Anterior cruciate ligament
  - Posterior cruciate ligament
  - Medial semilunar cartilage
  - Lateral semilunar cartilage
  - Popliteal bursa
150. In anterior cruciate ligament tear which of the following tests are positive
- Lachman's Test
  - McMurray's test
  - Pivot test
  - Anterior drawers test
151. The bone density is increased in all of the following except
- Avascular necrosis of bone
  - Uric acid deposition in the bone
  - Fracture and collapse of cancellous bone
  - Periosteal reaction
  - Fluorosis
152. Regarding brucella all of the following are true except
- Man to man transmission
  - It is a zoonosis
  - Blood culture is used for diagnosis
  - Brucella melitensis is the commonest cause
  - Transmitted through animal products
153. Diseases transmitted by arboviral include
- Yellow fever
  - Japanese encephalitis
  - Trench fever
  - Epidemic typhus
  - Dengue
154. Diseases transmitted by louse include
- Epidemic typhus
  - Endemic typhus
  - Trench fever
  - Rocky mountain fever
  - Scrub typhus
155. True regarding point source epidemic include
- Rapid rise

- b. Rapid fall  
c. Secondary peaks do not occur  
d. Slow rise  
e. Slow fall
156. In patients with substance abuse for maintenance drugs used is/are  
a. Naltrexone  
b. Naloxone  
c. Disulfiram  
d. Clonidine  
e. Lithium
157. Ondansetron acts by  
a. Acts directly on the CTZ  
b. 5 HT<sub>3</sub> antagonist  
c. Acts on D1, D2 receptors  
d. Inhibits vomiting center  
e. Increases GIT motility
158. True about gout is  
a. Occurs due to accumulation of urea crystals in the joints  
b. Can be precipitated by pyrazinamide  
c. Birefringent crystals are present in the joints  
d. Occurs more in females  
e. Due to decreased excretion of uric acid
159. Diabetes Mellitus can lead to the following complications  
a. Vitreous hemorrhage  
b. Rubeosis Iridis  
c. Primary retinal detachment  
d. 3,4<sup>th</sup> and 6<sup>th</sup> nerve palsy  
e. Hypermetropia
160. Posterior subcapsular cataract is diagnosed by  
a. Direct ophthalmoscopy  
b. Indirect ophthalmoscopy  
c. Distant direct ophthalmoscopy  
d. Slit lamp microscopy  
e. Examination with a plain mirror at a distance of 1 m
161. Refractive power of the eye can be changed by  
a. Radial keratotomy  
b. Keratomileusis  
c. Intraocular lens  
d. LASIK  
e. Photocoagulation
162. In angle closure glaucoma, treatment given to the fellow is  
a. Pilocarpine eye drops  
b. Atropine eye drops  
c. Laser iridotomy  
d. Trabeculectomy  
e. Physostigmine eye drops
163. Parenchymatous xerosis of the conjunctiva is caused by  
a. Trachoma  
b. Vitamin A deficiency  
c. Vernal catarrh  
d. Phlyctenular conjunctivitis  
e. Alkali burns
164. Charcot's joint is caused by all of the following except  
a. Arnold Chiari malformation  
b. Syringomyelia  
c. Secondary syphilis  
d. Leprosy  
e. Hydrocephalus
165. Short stature is seen in  
a. Maternal deprivation syndrome  
b. Hypothyroidism  
c. Bulimia  
d. Paternal smoking  
e. IUGR
166. True regarding acute osteomyelitis in child is/are  
a. Diagnosis is by X-ray after 8-10 days of onset of infection  
b. Diagnosis must be suspected on all cases of subcutaneous cellulites

- c. There is diffuse tenderness at the site  
d. Treatment should be for at least 4 weeks  
e. Salmonella is the most common cause
167. True about mycobacterium tuberculosis is/are  
a. Can produce visible colonies in a weeks time on LJ media  
b. Decolorized with 20% sulphuric acid  
c. Facultative aerobes  
d. It is niacin positive
168. Anterior scalloping of the vertebrae is seen in  
a. Aortic aneurysm  
b. Tuberculosis  
c. Renal tumors  
d. Sarcoidosis
169. Regarding aqueous humor which of the following is correct  
a. It is secreted 2-3 ml/min  
b. It is secreted by ciliary processes  
c. It has less protein than plasma  
d. It has less vitamin C than plasma  
e. Provides nutrition
170. Which of the following drugs is associated with least causation of raised intraocular tension  
a. Hydrocortizone  
b. Prednisolone  
c. Fluvamethazone  
d. Triamcinolone  
e. Rexamethasone
171. Which of the following are associated with increased risk of colorectal cancer  
a. Increased intake of animal fat  
b. Aspirin intake  
c. Enteric colitis  
d. Amoebic colitis  
e. Ulcerative colitis
172. True about amoebic colitis is/are  
a. Commonly caused by entameoba histolytica  
b. Cyst found in soil contains 8 nuclei  
c. Flask shaped ulcers are found  
d. Most common site is the ceacum  
e. Is premalignant
173. Premalignant lesions of skin include  
a. Leukoplakia  
b. Bowens disease  
c. Pagets disease of nipple  
d. Psoriasis  
e. Pemphigus
174. In the diagnosis of filariasis the blood sample collected for identification of microfilaria is stored in/as  
a. Citrated blood  
b. EDTA  
c. Oxalated blood  
d. Heparinized blood  
e. Defibrinogenated blood
175. Secondary messengers include  
a. cAMP  
b. IP3  
c. DAG  
d. cGMP  
e. ADP
176. Increased severity of mitral stenosis is demonstrated by  
a. Loud S1  
b. Increased S2-OS gap  
c. Prolonged diastolic murmur  
d. S3  
e. S4
177. Left sided pleural effusion is seen  
a. Pancreatitis  
b. Rheumatoid lung  
c. Hypoproteinosiis  
d. CHF

178. e. Pulmonary artery obstruction due to emboli  
True about Quinsy is/are
- a. Penicillin is used in treatment  
b. Abscess is located within the capsule  
c. Occurs bilaterally  
d. Immediate tonsillectomy is advised  
e. Patient presents with toxic features and drooling of saliva
179. Transudative pleural effusion is seen
- a. Renal artery stenosis  
b. Nephrotic syndrome  
c. SLE  
d. Rheumatoid arthritis
180. Live attenuated vaccines are
- a. Sabin vaccine  
b. BCG  
c. Varicella  
d. H.Influenza  
e. HBV
181. HIV infection is associated with
- a. Glandular like fever illness  
b. Generalized lymphadenopathy  
c. Gonococcal septicemia  
d. Sinus disease  
e. Presenile dementia
182. Volume of air taken in and given out during normal respiration is referred to as
- a. Inspiratory reserve volume  
b. Tidal volume  
c. Expiratory reserve volume  
d. Vital capacity  
e. Inspiratory capacity
183. True regarding idiopathic pulmonary fibrosis is
- a. Decreased FEV1  
b. Decreased FEV/FVC  
c. Decreased DLco  
d. Decreased residual volume  
e. Decreased TLC
184. Choose the correct match
- a. Mumps -RA  
27/3  
b. Rubella -Jeryl  
lynn strain  
c. Measles -  
Edmonston Zagreb strain  
d. BCG -  
Danish 1331 strain  
e. Polio -  
shwartz strain
185. Regarding Hypoxemia, it is seen in
- a. Hypoventilation  
b. Decreased FiO2  
c. Myasthenia gravis  
d. Pulmonary emboli  
e. Diazepam over dose
186. SSPE is associated with
- a. Mumps  
b. Measles  
c. Rubella  
d. Typhoid  
e. Diphtheria
187. In a patient with CRF which of the following drugs are to be given with caution
- a. Spirinolactone  
b. Amlodipine  
c. Amiloride  
d. Pottasium binding resins  
e. Furesemide
188. Acute pancreatitis is caused by
- a. Gall stones  
b. Alcohol intake  
c. Starvation  
d. Hyperparathyroid phenomenon  
e. Thyrotoxicosis
189. A patient was started on antihypertensive treatment develops renal insufficiency, the drug/drugs implicated are
- a. Beta blocker  
b. Alpha blocker  
c. Calcium channel blocker  
d. AT1 antagonist

190. e. Enalapril  
Woods lamp is used in the diagnosis of
- Tinea capitis
  - Tinea versicolor
  - Pityriasis rosea
  - Psoriasis
  - Lichen planus
191. 13 -cis retinoic acid is used in as
- Chemoprophylactic
  - Chemotherapeutic
  - Radiosensitive
  - Radioprotective
  - Immuno stimulant
192. In patient suffering through CML the hemoglobin level falls from 11gm% to 4 gm%, in a short span of time. Also the spleen shows an increase in size. The cause for this could be
- Accelerated CML
  - CML in blast crisis
  - Ineffective erythropoiesis
  - Myelofibrosis
  - Infection
193. True regarding Legionella pneumonia include
- It occurs in epidemics
  - It is treated by penicillin
  - It is associated with splenomegaly
  - Can be easily diagnosed from sputum
  - More common in children
194. Chordoma commonly involves which of the following sites
- Dorsal spine
  - Clivus
  - Lumbar spine
  - Sacrum
  - Cervical spine
195. True about oocyte is
- It is also called primordial follicle
  - Formed after a single meiotic division
  - Maximum in number during the 5<sup>th</sup> month fetus
  - It is in prophase arrest
  - Also known as blastocyst
196. Ovary develops from
- Mullerian duct
  - Genital ridge
  - Genital tubercle
  - Mesonephric duct
  - Sinovaginal bulbs
197. Turcots syndrome is associated with
- Duodenal polyps
  - Familial adenosis
  - Brain tumors
  - Villous adenomas
  - Hyperplastic polyps
198. Black gun powder all of the following are found except
- Charcoal
  - Potassium nitrate
  - Sulphur
  - Lead peroxide
  - Arsenic
199. Haab's striae is seen in
- Angle closure glaucoma
  - Infantile glaucoma
  - Stargardt's disease
  - Disciform keratitis
  - Leber's disease
200. In a young patient presenting with recurrent vitreous hemorrhage
- Eales disease
  - CRVO
  - Proliferative retinopathy
  - Coats disease
  - Episcleritis
201. LMN lesion includes
- Dorsal horn cells
  - Sympathetic ganglia
  - Peripheral nerve
  - Gasserian ganglia
  - Anterior horn cells

202. Functions of basal ganglia include
- Gross motor
  - Skilled movements
  - Emotion
  - Maintaining equilibrium
  - Co-ordination of movements
203. Central muscle relaxant acts by
- Decreasing nerve conduction
  - Inhibits spinal polysynaptic reflexes
  - Blocks conduction across nerve muscle junction
  - CNS depression
  - Decreases muscle excitation
204. Preanesthetic medication is used for which of the following reasons
- It decreases the autonomic reflexes
  - It helps in anesthesia
  - Reduce anesthetic side effects
  - Decrease blood pressure
  - Prevent tachycardia
205. In myasthenia gravis which of the following should not be given
- Gallamine
  - Neostigmine
  - Aminoglycoside antibiotics
  - Metronidazole
206. WHO ORS contains
- Na<sup>+</sup> 2.5 gms
  - K<sup>+</sup> 1.5 gms
  - Glucose 20 gm
  - Sucrose 108 gm %
  - Potassium bisulphate- 90
207. In IV hyperalimentation given is/are
- Hypertonic saline
  - Fats
  - Amino acids
  - Dextrose
  - Low molecular weight dextran
208. Health is associated by
- Mental peace
  - Adequate nutrition
  - Daily moderate physical activity
  - Yearly blood and urine examination
  - Less stress
209. CA-125 is associated with
- Carcinoma colon
  - Ca breast
  - Ca ovary
  - Ca lung
  - Ca pancreas
210. CEA as a tumor marker is useful in carcinoma colon
- Levels give an indication of prognosis after surgery
  - Extent of tumor
  - Post op fall in CEA reflects complete clearance of tumor
  - Follow up after surgery for recurrence
  - High levels reflect metastasis
211. True about septal hematoma is /are
- Common in adults
  - Occurs commonly due to trauma
  - Can lead to saddle nose deformity
  - Conservative management
  - Leads to formation of abscess after sometime
212. In management of head injury
- Antibiotics are given for upto 48 hours
  - CT scan of head is done
  - Hydrocortisone is given
  - Complete clinical examination is required
  - Diazepam is given
213. True about CSF rhinorrhea
- Commonly occurs due to break in cribriform plate
  - Decreased glucose content confirms diagnosis
  - Contains less amount of proteins

214. d. Immediate surgery is required  
True about Fox Fordyce spot is
- It is more common in females
  - Reflects presence of internal malignancy
  - Is premalignant
  - Present in axilla and groin
  - Presents with itching
215. Carcinoma of the right colon presents as
- Anemia
  - Mass in the right iliac fossa
  - Bleeding PR
  - Alternate constipation and diarrhea
  - Presents with obstruction commonly
216. Immediate surgery is required in
- Adhesions
  - Volvolus
  - Perforated appendix with paralytic ileus
  - Intestinal obstruction
  - Tubercular stricture
217. In external beam radiotherapy used is/are
- I-123
  - Cesium 137
  - Co-60
  - Tc 99
  - Iridium –191
218. All of the following iodine isotopes are in use except
- I 131
  - I 123
  - I 125
  - I 122
  - I 129
219. Breech presentation with hydrocephalous is managed by
- Ceasarian section
  - Transabdominal CSF decompression
  - Pervaginal decompression of after coming head
  - Craniotomy of after coming head
220. A postmenopausal woman presenting with bleeding PV has a mass in the fornix measuring 3\*3 cms. Which of the following can be considered in the diagnosis
- Carcinoma Endometrium of uterine body
  - Tuboovarian mass
  - Ovarian theca tumors
  - Dermoid tumor of ovary
  - Subserous fibroid
221. Non irritant gas causing systemic toxicity include
- Ammonia
  - Hydrochloric acid
  - Carbon monoxide
  - Nitrogen
  - Chlorine
222. True about adenoids is/are
- Failure to thrive
  - Mouth breathing
  - CT scan is done to assess size
  - Immediate surgery is required for even mild symptoms
  - Glottic arch palate is seen
223. Nocardia is differentiated from actinomycosis by
- Gram stain
  - Acid stain
  - Different clinical features
  - Facultative anaerobe
224. True about Creutzfeldt Jacobs disease is
- Inheritable disease
  - Corneal implants transmit disease
  - It is transmitted by RNA containing organism
  - Transmitted by DNA containing organism
  - Arthropod borne disease

225. Prominent a waves are seen in all of the following except
- Mitral stenosis
  - Tricuspid stenosis
  - Pulmonary hypertension
  - Right atrial myxoma
  - ASD
226. Uterine fibromyoma is associated with
- Endometriosis
  - PID
  - Ca ovary
  - Amennorhea
  - Tamoxifen
227. True about hepatitis A include
- IgG anti Hep A is used in diagnosis
  - Boiling for 5 minutes kills the virus
  - Spread by faeco-oral route
  - Incubation period is 45-180 days
  - Predisposes to cirrhosis
228. Arlt's line is seen in
- Ophthalmia neonatorum
  - Trachoma
  - Angular conjunctivitis
  - Phlyctenular conjunctivitis
  - Vernal catarrh
229. Dietary cholesterol is transported to extra hepatic tissues by
- IDL
  - VLDL
  - Chylomicrons
  - LDL
  - HDL
230. True regarding fibomyoma uterus is/are
- Estrogen dependant
  - Capsulated
  - Can lead to red degeneration in pregnancy for which immediate surgery is required
  - Danazol is used in treatment
231. Pressure symptoms when present at the cervix
- In rheumatoid arthritis
- More common in females
  - Disease primarily affects cartilage
  - Involves small and large joints
  - Presence of RA factor is diagnostic
232. Hepatic infarcts are seen in
- Chronic passive venous congestion
  - Acute Budd Chiari syndrome
  - Septicemia
  - Hepatoveno-occlusive disease
  - Extra hepatic biliary obstruction
233. The surgical lobes of liver are divided on the basis of
- Hepatic vein
  - Hepatic artery
  - Bile ducts
  - Hepatic portal vein
  - Central vein
234. Most important diameters of pelvis during labor is/are
- Interspinous diameter in mid pelvis
  - Oblique diameter in inlet
  - AP diameter at outlet
  - Transtubercular diameter
  - Intertubercular diameter
235. Pubertal menorrhagia is managed by
- Progesterone
  - Estrogen and progesterone
  - GnRH
  - Danazol
  - Surgery
236. Bilateral breast carcinoma is caused by
- Scirrhou carcinoma
  - Medullary carcinoma
  - Lobular carcinoma
  - Intra ductal carcinoma
  - Paget's disease

237. Enucleation is done in all of the following except
- Retinoblastoma with glaucoma
  - Dystoma of ciliary body
  - Vitreous hemorrhage
  - Malignant melanoma
  - Malignant glaucoma
238. Familial Retinoblastoma is associated with
- Presents at later age
  - More commonly bilateral
  - Associated with other malignancies
  - Better prognosis
  - Is due to mutation
239. Continuous variables are depicted graphically as
- Histogram
  - Pie chart
  - Frequency polygon
  - Bar chart
  - Ogive
240. True regarding DIC is
- Increased PT
  - Increased PTT
  - Decreased fibrinogen degradation products
  - Decreased fibrinogen
  - Normal platelet count
241. Glucose intolerance is caused by
- Thiazides
  - Enalapril
  - Propranolol
  - Furosemide
  - AT1 antagonist
242. True about oxytocin is/are
- It is secreted by anterior pituitary
  - It acts on the myoepithelial cells of breast
  - It causes contraction of uterus in labor
  - It causes retention of water
  - Also has sympathetic activity
243. True about HCG is/are
- Glycoprotein
  - Has 2 subunits
  - Increased to maximum level in 3<sup>rd</sup> trimester
  - Secreted by trophoblastic tissue
  - The alpha subunit is specific
244. The antigen-binding region on the antibody is/are
- Hinge region
  - Constant region
  - Variable region
  - Hyper variable region
  - Idiotypic region
245. Prominent waves are seen in all of the following except
- Mitral stenosis
  - Tricuspid stenosis
  - Pulmonary hypertension
  - Right atrial myxoma
  - ASD

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