

## JIPMER 2000

**1. The aortic opening in the diaphragm is at the level of**

- A. T10
- B. T12
- C. T6
- D. T8

**Ans. B**

**2. Which of the following is not a content of the pudental canal**

- A. Pudental nerve
- B. Internal pudental artery
- C. Internal pudental vein
- D. Nerve to obturator internus

**Ans. D**

**3. All the following are general visceral efferent except**

- A. Nucleus ambiguous
- B. Dorsal nucleus of vagus
- C. Salivatory nucleus

D. Edinger Westphal nucleus

**Ans. A**

**4. Angle formed by the shaft and the neck of the femur is \_\_\_ degrees**

A. 115

B. 125

C. 135

D. 145

**Ans. B**

**5. Which of the following is a primary lymphoid organ**

A. Spleen

B. Lymphnode

C. Bonemarrow

D. Liver

**Ans. C**

**6. Tongue is protruded by which of the following muscle**

A. Hyoglossus

B. Palatoglossus

C. Myelohyoid

D. Genioglossus

**Ans. D**

**7. All of the following are features of flat type of pelvis except**

A. Narrow subpubic angle

B. Short concave sacrum

C. Divergent side walls

D. Wide sciatic notch

**Ans. A**

**8. A lesion involving the C8 nerve root will affect**

A. Extensors of fingers and wrist

B. Flexors of fingers and wrist

C. Small muscles of hand

**Ans. B**

**9. Dorsal scapular nerve supplies**

A. levator scapulae and rhomboids

B. supraspinatus and infra spinatus

C. latissimus dorsi

D. serratus anterior

**Ans. A**

**10. With foot off the ground and knee flexed, medial rotation of tibia is brought about by**

A. Popliteus

B. gastrocnemius

C. vastus medialis

D. adductor magnus

**Ans.**

#### **PHYSIOLOGY**

**11. 90% of CO<sub>2</sub> in blood is transported as**

A. Dissolved CO<sub>2</sub>

B. HCO<sub>3</sub><sup>-</sup>

C. Carboxy haemoglobin

D. Carbamino haemoglobin

**Ans. B**

**12. Hardy-Weinberg law is used to predict inheritance of which of the following type**

- A. autosomal dominant
- B. autosomal recessive
- C. x-linked dominant
- D. x-linked recessive

**Ans. B**

**13. Intercalating bridges in sarcomere are formed by**

- A. actin
- B. myosin
- C. tropomyosin
- D. calmodulin

**Ans. A**

**14. Blood flow changes are least during exercise in**

- A. Brain
- B. Heart
- C. Skin

**Ans. A**

**15. The main fuel used during starvation by a healthy adult is**

- A. free fatty acids
- B. amino acids
- C. glucose
- D. ketone body

**Ans. C?**

**16. Which of the following sensations is not converging on hypothalamus**

- A. smell
- B. fine touch
- C. hearing
- D. vision

**Ans. C**

**17. If acid is added to a medium containing intact mitochondria which of the following is seen**

- A. uncoupling of phosphorylation
- B. inhibition of Electron Transport Chain
- C. inhibition of phosphorylation
- D. generation of ATP

**Ans.**

**18. Instrumental conditioning in learning was introduced and demonstrated by**

- A. Pavlov
- B. Skinner

C. Freud

D. Watson

**Ans. B?**

**19. Endothelium derived relaxation factor is supposed to be**

A. Nitric oxide

**Ans. A**

**20. The fine movements of voluntary muscles are controlled by**

A. Anterior corticospinal tract

B. Lateral corticospinal tract

C. Tectospinal

D. Vestibulospinal

**Ans.**

## **BIOCHEMISTRY**

**21. Features of Vitamin C deficiency is due to defect of which enzyme**

A. Lysyl hydroxylase

B. Lysyl oxidase

C. Procollagen peptidase

**Ans. A**

**22. Okazaki pieces are seen in**

- A. DNA repair
- B. DNA replication
- C. Transcription
- D. Translation

**Ans. B**

**23. Major Histocompatibility Complex is located on**

- A. Long arm of chromosome 6
- B. Short arm of chromosome 6
- C. Long arm of chromosome 7
- D. Short arm of chromosome 7

**Ans. B**

**24. Which of the following ketone bodies is commonest following prolonged starvation**

- A. Aceto acetate
- B. B-hydroxy buryrate
- C. acetone

D. alpha ketoglutarate

**Ans. B?**

**25. cAMP is degraded by**

A. Phosphodiesterase

B. Phosphokinase

C. Phosphatase

D. Xanthine oxidase

**Ans. A**

#### **MICROBIOLOGY**

**26. Bacterial adherence to epithelium is mediated through**

A. pili

B. fimbriae

C. flagella

D. mesosomes

**Ans. A**

**27. Which of the following organism is capsulated**

A. Histoplasma capsulatum

B. Cryptococcus neoformans

C. Candida albicans

**Ans. B**

**28. Ova with lateral spines is a feature of**

A. Schistosoma japonicum

B. Schistosoma mansoni

C. Schistosoma haematobium

D. Schistosoma mekongi

**Ans. B**

**29. Which of the following is an oncogenic retrovirus**

A. HTLV-1

B. HPV

C. EBV

D. HBV

**Ans. A**

**30. Which of the following activates the alternate complement pathway**

A. IgA

B. IgG

C. IgM

D. IgD

**Ans. A**

**31. Which of the following activates the classical complement pathway**

A. Immune complex

B. Lipopolysaccharide

C. Exotoxin

**Ans. A**

**32. Serum sickness is due to which type of hypersensitivity**

A. Type I

B. Type II

C. Type III

D. Type IV

**Ans. C**

**33. Most common site of infection with Cryptococcus neoformans is**

A. Lung

B. Meninges

**Ans. B**

**34. All are true about streptococcal infections except**

- A. throat infection more common in age group of 5-15years
- B. skin infection more common in age <3yrs
- C. 15-20% colonization of mucosal surfaces
- D. scarlet fever more common <3yrs

**Ans. D**

**PATHOLOGY**

**35. Which of the following is not a feature of anemia of chronic disease**

- A. increased TIBC
- B. increased serum iron
- C. increased serum ferritin
- D. increased bone marrow iron

**Ans. B**

**36. Which among the following does not secrete Interleukin 1 alpha**

- A. lymphocyte
- B. fibroblast
- C. macrophage
- D. endothelium

**Ans. A**

**37. Histological scoring' of chronic hepatitis does not include**

- A. periportal inflammation
- B. portal fibrosis
- C. bridging necrosis
- D. cholestasis

**Ans. D**

**38. Pulmonary surfactant is synthesized by**

- A. Type I pneumocytes
- B. Type II pneumocytes

**Ans. B**

**39. Regarding DIC all the following features are correct except**

- A. Increased fibrin degradation products
- B. Decreased platelets
- C. Increased fibrinogen

**Ans. C**

#### **PHARMACOLOGY**

**40. Which of the following is the most beta-1 selective antagonist**

- A. Acebutolol
- B. Atenolol
- C. Metoprolol
- D. Bisoprolol

**Ans. D**

**41. ACE inhibitors are contraindicated in all the following except**

- A. Bilateral renal artery stenosis
- B. Elderly hypertensive
- C. Diabetic microalbuminuria
- D. Severe renal failure

**Ans. C**

**42. Which of the following is a cardiotoxic anticancer drug**

- A. bleomycin
- B. doxorubicin
- C. 5 FU

**Ans. B**

**43. Opioid induced respiratory depression can be reversed with**

- A. Naloxone
- B. Theophylline
- C. Artificial ventilation

**Ans. A**

**44. Calcium channel blocker which is usually used in subarachnoid hemorrhage is**

- A. Nimodipine
- B. Diltiazem
- C. Verapamil

**Ans. A**

**45. Drug induced cirrhosis is not seen with**

- A. alpha methyl dopa
- B. phenylbutazone
- C. INH

**Ans. B**

**46. Which of the following is not used in the prophylaxis of febrile seizures**

- A. sodium valproate
- B. carbamazepine
- C. phenobarbitone

D. diazepam

**Ans. B**

**47. Which of the following drugs is tuberculostatic**

- A. Rifampicin
- B. Ethambutol
- C. Pyrazinamide
- D. INH

**Ans. B**

**48. Which of the following drugs will not cause hypothyroidism**

- A. Ethambutol
- B. Lithium
- C. Amiodarone
- D. Pyrazinamide

**Ans. D**

**49. Dopamine inhibits secretion of**

- A. Growth hormone
- B. Prolactin

**Ans. B**

**50. Which of the following is not an analeptic agent**

- A. Doxapram
- B. Nikethamide
- C. Doxacurium
- D. Propylbutamide

**Ans. C**

**51. Which of the following drugs is not used for the treatment of anaerobic infections**

- A. penicillin
- B. clindamycin
- C. chloramphenicol
- D. gentamycin

**Ans. D**

**52. Which of the following drugs is used to treat Chlamydia infection in pregnancy**

- A. Doxycyclin
- B. Erythromycin
- C. Mirepenam
- D. Tetracyclin

**Ans. B**

**53. Troglitazone is the drug used in the treatment of**

- A. petit mal epilepsy
- B. type 2 diabetes mellitus
- C. hyperlipidaemia

**Ans. B**

**54. Which of the following is not an alpha-2 stimulant**

- A. guanabenz
- B. guanadrel
- C. clonidine
- D. alpha methyl dopa

**Ans. B**

**55. 99% of degradation of Iodine131 occurs in**

- A. 26days
- B. 36days
- C. 46days
- D. 56days

**Ans. D**

**56. Atropine is added with diphenoxylate to**

- A. Increase effect
- B. decrease side effects
- C. decrease abuse
- D. enhance absorption

**Ans. C**

**57. Monitoring of drug level is not needed with which of the following drugs**

- A. Lithium
- B. L-Dopa
- C. Digoxin
- D. Phenytoin

**Ans. B**

**58. Which among the following have greatest affinity for pseudocholeline esterase**

- A. Mivacurium
- B. Atracurium

**Ans. A**

**59. Selective decrease in IgA is seen with administration of**

- A. Phenytoin
- B. Diazepam

C. Clonazepam

D. Phenobarbitone

**Ans. A**

**60. Which of the following is prothrombotic**

A. Thrombomodulin

B. PGI<sub>2</sub>

C. Heparin

D. ADP

**Ans. D**

**61. Carbamazepine toxicity is precipitated by**

A. Erythromycin

B. vitaminK

C. Theophyllin

**Ans. A**

**FORENSIC MEDICINE**

**62. Which of the following is most useful for sex determination**

- A. Skull
- B. femur
- C. pelvis
- D. tibia

**Ans. C**

**63. Which of the following is diagnostic of drowning**

- A. froth in the nostrils
- B. cutis anserina
- C. water in the stomach
- D. mud in the respiratory passages

**Ans. A**

**64. Green colored urine is seen after ingestion of**

- A. copper sulphate
- B. phenol
- C. organophosphorus
- D. cyanide

**Ans. B**

**65. Leading questions are not permitted in**

- A.cross examination
- B.examination in chief
- C.questions by the judge

**Ans. B**

**MEDICINE**

**66. Diagnosis of lung sequestration is by**

- A.CT
- B.Angiography
- C.MRI
- D.X-ray

**Ans. B**

**67. Bleeding in a case of obstructive jaundice is treated with**

- A.Fresh Frozen Plasma
- B.Cryo precipitate
- C.Whole blood
- D.Buffy coat extract

**Ans. A**

**68. Dichrotic pulse is seen in**

- A. Cardiac tamponade
- B. Aortic regurgitation
- C. dilated cardiomyopathy
- D. restrictive cardiomyopathy

**Ans. C**

**69. Which of the following ECG finding is diagnostic of cardiac ischaemia in treadmill test**

- A. flat ST depression
- B. upsloping ST depression
- C. ventricular tachycardia
- D. T wave inversion

**Ans. A**

**70. A child presents with a history of scorpion sting. He is having increased sweating. What is the best next step**

- A.lytic cocktail
- B.atropine

C.antevenom

**Ans. C**

**71. Transudative type of pleural effusion is a feature of**

A.variceal sclerotherapy

B.coronary artery bypass

C.peritoneal dialysis

D.radiation

**Ans.**

**72. The drug of choice for type 2 lepra reaction is**

A.Clofazimine

B.Chloroquin

C.Thalidomide

D.Steroids

**Ans. C**

**73. All are true about amyotropic lateral sclerosis except**

A.Bowel and bladder involvement is present

B.LMN in upper limb

C.UMN in lower limb

D.no sensory involvement

**Ans. A**

**74. Senile plaques in brain is a feature of**

A.Multiple sclerosis

B.Parkinsonism

C.Alzheimer's disease

**Ans. C**

**75. Primary unconjugated hyperbilirubinemia is a feature of**

A.Dubin Jhonson syndrome

B.Rotor syndrome

C.Gilbert's syndrome

D.primary biliary cirrhosis

**Ans. C**

**76. Most common cause of ambiguous genitalia is**

A.Congenital adrenal hyperplasia

B.Klinefelter's syndrome

C.Testicular feminization

**Ans. A**

**77. Which of the following is not an ECG sign of hypokalemia**

- A.tall T waves
- B.U waves
- C.flat ST segment

**Ans. A**

**78. Most common cause of myelophthisic anemia is**

- A.Multiple myeloma
- B.NHL
- C.Lukaemia
- D.multiple secondaries

**Ans. D?**

**79. Which of the following is most efficiently transmitted by needle stick injury**

- A.HIV
- B.Hepatitis B
- C.Hepatitis C
- D.CMV

**Ans. B**

**80. Benzene induced hemolytic anemia is seen with all except**

- A.Non Hodgkin's lymphoma
- B.AML
- C.ALL
- D.Aplastic anemia

**Ans. A?**

**81. Which of the following is best used in the diagnosis of congenital syphilis**

- A.FTA-ABS
- B.TPHA
- C.IgM-FTA ABS
- D.TPI

**Ans. C**

**82.Treatment with intravenous immunoglobulin is contraindicated in**

- A.X-linked agammaglobulinemia
- B.Kawasaki's disease
- C.Guillen Barrie syndrome
- D.Selective IgA deficiency

**Ans. D**

**83. Grade 1 lymphedema means**

- A. pitting edema up to the ankle
- B. pitting edema up to the knee
- C. non-pitting edema
- D. edema disappearing after overnight rest

**Ans. D**

**84. Cause of diarrhea in Diabetes mellitus is**

- A. defective absorption
- B. abnormality in gastrointestinal motility
- C. primary mucosal disease.

**Ans. B**

**85. Parenteral nutrition is best given through**

- A. femoral vein
- B. saphenous vein
- C. subclavian vein

**Ans. C**

**86. The precursor of amyloid Transthyretin is deposited in which of the following conditions**

- A. Alzheimer's disease
- B. senile cardiac amyloidosis
- C. medullary carcinoma thyroid
- D. multiple myeloma

**Ans. B**

**87. Egg shell calcification in hilar lymphnodes is a feature of**

- A. sarcoidosis
- B. silicosis
- C. lymphoma

**Ans. B**

**88. Which of the following is not a tumor suppressor gene**

- A. N myc
- B. Rb
- C. p53
- D. Mad-max

**Ans. A**

**89. Which of the following is the best initial screening test for thrombocytopenia**

- A.bleeding time
- B.clotting time
- C.platelet count

**Ans. A**

**90. In Down's syndrome which of the following is true**

- A.the language defect progresses with age
- b seen when mothers are aged between 30-39yrs in >50% of cases
- C.the severity of facial changes denotes the severity of mental retardation
- D.seizures are common

**Ans. B**

**91. Macula cerulea is seen in**

- A.Pediculosis humanis corporis
- B.Pediculosis capitis
- C.Phthiris pubis

**Ans. C**

**92. Lyonization occurs usually at**

- A.9th day
- B.16th day
- C.28th day
- D.36th day

**Ans. B**

**93. Localized tetanus is due to**

- A.large gaping wound
- B.atypical strains of bacteria
- C.abnormally long incubation period
- D.partial immunity

**Ans. A?**

**94. Sphenoid wing dysplasia is seen in**

- A.Von Hippel Lindau's disease
- B.Neurofibromatosis
- C.Sturge Weber syndrome
- D.Bournville's disease

**Ans. B**

**95. CMV does not cause**

- A.intracranial calcification
- B.congenital heart disease
- C.mental retardation
- D.seizures

**Ans. B**

**96. In cow's milk allergy all are seen except**

- A.Iron deficiency anemia
- B.bloody diarrhea
- C.pulmonary hemosiderosis
- D.intestinal colic

**Ans. A**

**97. Foster's test is used in the diagnosis of**

- A.spastic type of Cerebral Palsy

B.hypotonic CP

C.choreo athetotic CP

D.Myasthenia gravis

**Ans.**

**98. Features of hypothyroidism due to TRH/TSH deficiency include all the following except**

A.mental retardation

B.hypoglycemia

C.low hairline

D.micropenis

**Ans.**

**99. Renal papillary necrosis is seen in all the following except**

A.analgesic nephropathy

B.hydronephrosis

C.acute pyelonephritis

D.sickle cell disease

**Ans. B**

**100. Rhinopharyngitis mutilans is not seen in**

- A.Yaws
- B.Pinta
- C.Leprosy
- D.Kala azar

**Ans. B**

**101. In acute myocardial infarction the best drug to cause thrombolysis and to start reperfusion is**

- A.streptokinase
- B.urokinase
- C.tissue plasminogen activator
- D.anisoylated plasminogen streptokinase activator complex

**Ans. C**

**102. Iliac horns are seen in**

- A.Nail patella syndrome
- B.ankylosing spondylitis

**Ans. A**

**103. Regarding lacunar infarcts a feature not seen is**

- A.multiple

B.pontine

C.severe symptoms

**Ans. C**

**104. Diet therapy in a MI patient should start at what LDL cholesterol level**

A.100mg/dl

B.130mg/dl

C.160mg/dl

D.190mg/dl

**Ans. A**

**SURGERY**

**105. 'Flower vase' appearance in IVP is seen in**

A.Poly cystic kidney disease

B.Horse Shoe Kidney

C.Hydronephrosis

D.Ectopic kidney

**Ans. B**

**106. Comma shaped calcification in soft tissues is seen with**

A.Armillifer

- B.Loa Loa
- C.Cysticercus cellulosae
- D.Guinea worm

**Ans. A**

**107. A T2 tumor of the oral cavity near the mandible is best treated with**

- A.Radiotherapy
- B.Chemotherapy
- C.Surgery
- D.Laser ablation

**Ans. C?**

**108. Commonest type of hypospadias is**

- A.glandular
- B.penile
- C.coronal
- D.scrotal

**Ans. A**

**109. Which of the following is not a feature of Thrombo Angitis Obliterans**

- A.it usually occurs before the age of 50 years

B.lower limbs are affected before upper limbs

C.there is associated phlebitis

D.femoral artery is involved

**Ans. D**

**110. A 30 year old women is accidently found to have a wide mouthed Meckel's-diverticulum during laprotomy.What is the best method of treatment**

A.Diverticulectomy

B.leave it alone

C.resection of diverticulum and invagination of stump

D.resection of diverticulum with a short segment of ileum and anastomosis

**Ans. B**

**111. Radioopaque shadow seen immediately after trauma to the chest could be due to**

A.pulmonary embolism

B.pulmonary contusion

C.hemothorax

D.pneumonia

**Ans. C**

**112. Most common cause of bloody discharge from nipple is**

- A.Duct ectasia
- B.Duct carcinoma
- C.Duct papilloma

**Ans. C**

**113. Compared with Crohn's disease Ulcerative colitis does not have more**

- A.malignant change
- B.fistula formation
- C.bleeding per rectum
- D.cholangio carcinoma

**Ans. B**

**114. All are true about deQuervain's thyroiditis except**

- A.Usually follows a viral infection
- B.There is increased radio iodine uptake
- C.Initial hyperthyroid state
- D.Anti thyroids are of no use

**Ans. B**

**115. Which of the following test is used to detect perforator incompetence in varicose veins**

- A. Trendelenberg test
- B. Fegan's test
- C. Morissey's test
- D. Homan's test

**Ans. B**

**116. Interruption of Inferior venacava is not indicated in**

- A. multiple septic emboli
- B. multiple small peripheral emboli
- C. when anticoagulation is contraindicated
- D. Ileo femoral thrombosis

**Ans. C**

**117. Which of the following salivary gland tumors shows perineural spread**

- A. Warthin's tumor
- B. adenoid cystic carcinoma
- C. carcinoma in pleomorphic adenoma
- D. mucoepidermoid carcinoma

**Ans. B**

**118. Prolonged intake of refined foods leads to which of the following carcinoma**

- A.stomach
- B.gall bladder
- C.colon
- D.pancreas

**Ans. C**

**119. The X-ray finding which helps to distinguish Hirschsprung's disease from congenital mega colon is**

- A.Delayed evacuation of barium
- B.Air fluid levels
- C.Presence of a transition zone
- D.Dilated bowel loops

**Ans. C**

**120. Which of the following is not a feature of a healthy healing ulcer**

- A.Sloping edge
- B. Undermined edge
- C. Serous discharge
- D. Reddish base

**Ans. B**

**121 What is the management of a low, straight, 2cm long peri anal fistula**

- A. fistulectomy
- B. seton repair
- C. proximal colostomy
- D. anal dilatation

**Ans. A**

**122. Graft used in infra inguinal bypass is**

- A. PTFE
- B. Dacron
- C. Autologous vein

**Ans. C**

**123. Best treatment for external hemorrhage from an extremity is**

- A. elevation of the limb
- B. proximal tourniquet
- C. direct pressure
- D. ligation of the bleeding vessel

**Ans. C**

**124. Investigation of choice for Posterior urethral valve is**

- A. Retrograde cystourethrogram
- B. MCU
- C. IVP
- D. USG

**Ans. B**

**125. Most virus associated malignancy is**

- A. Carcinoma cervix
- B. Burkitt's lymphoma
- C. Carcinoma Breast

**Ans. C**

**126. Most common age group of benign cystic teratoma is**

- A. <10yrs
- B. 20-40yrs
- C. 40-60yrs
- D. >60yrs

**Ans.**

**127. Burns involving head face and trunk constitutes how much percentage**

- A. 45%
- B. 55%
- C. 60%
- D. 65%

**Ans. A**

**PSM**

**128. Net Reproductive Rate of 1 implies a Couple Protection Rate of**

- A. 50
- B. 60
- C. 70
- D. 80

**Ans. B**

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**129. Vector of Japanese Encephalitis in South India is**

- A. *Culex tritaeniorhynchus*
- B. Anopheles

**Ans. A**

**130. Minimum level of free chlorine in potable water is**

- A. 1mg
- B. 0.5mg
- C. 0.2 mg
- D. 0.7mg

**Ans. B**

**131. Which of the following is true about Cohort study**

- A. incidence can be calculated
- B. it is from effect to cause
- C. it is inexpensive
- D. shorter time than case control

**Ans. A**

**132. Which of the following diseases is not included in international health regulations**

- A. plague
- B. yellow fever
- C. cholera
- D. polio

**Ans. D**

**133. The size of sand particle in slow sand filter is**

- A. 0.1 -0.2 mm
- B. 0.2-0.3 mm
- C. 0.3-0.4 mm
- D. 0.4-0.5 mm

**Ans. B**

**134. What is the potassium concentration in WHO ORS solution**

- A. 10meq
- B. 20meq
- C. 30meq
- D. 40meq

**Ans. B**

**135. In the surveillance for Acute Flaccid Paralysis, the age group that is included is below**

- A. 5yrs
- B. 12yrs
- C. 8yrs
- D. 16yrs

**Ans. B?**

**136. Which of the following is not monitored in malaria surveillance now**

- A. ABER
- B. Infant parasite rate
- C. Annual parasite incidence
- D. Slide positivity rate

**Ans. B**

**137. Which of the following is true about Botulism**

- A. high fever
- B. brisk reflexes
- C. salivation
- D. sore throat

**Ans. D**

**138. What is the BMI(body mass index) of a male with weight 45kg and height 1.5m**

A.19

B.20

C.21

D.18

**Ans.B**

**139. Which of the following is used to destroy algae in water**

A. Copper sulphate

B. Pottassium permanganate

C. Hypochlorite

D. Bleaching powder

**Ans. A**

**140. Chikungunya virus is transmitted by all the following mosquitoes except**

A. Culex

B. Anopheles

C. Aedes

D. Mansonoides

**Ans. B**

**141. The WHO criteria for TB control means**

A.Incidence of infection in cheldren less than 5yrs is <1%

**Ans. A**

**142. Validity of a screening test includes all except**

- A.sensitivity
- B.specificity
- C.repeatability
- D.accuracy

**Ans. C**

**143.Which of the following is not sexually transmitted**

- A. Entameba histolytica
- B. Giardia lamblia
- C. Trichomonas vaginalis
- D. Leishmania brasiliensis

**Ans. D**

**144. According to WHO the minimum number of antenatal visits to prevent maternal mortality is**

- A.3
- B.6
- C.9
- D.12

**Ans. A**

**145. What is the definition of blindness according to WHO**

A.vision less than 3/60

**Ans. A**

**146. Which of the following is not a priority vaccine for the first year of life**

A.Hib

B.Hepatitis B

C.DPT

**Ans. B**

**147. What is the incubation period of vaccine strain of measles virus**

A. 7days

B. 10days

C. 14days

D. 18days

**Ans. A**

**148. PQLI does not include**

- A. Infant Mortality rate
- B. Gross national Product
- C. Literacy rate
- D. Life expectancy at 1 year of age.

**Ans. B**

**149. Which of the following rates is not only an indicator of mortality but also of the living standard of a community**

- A. IMR
- B. PNMR
- C. MMR

**Ans. A**

**150. Which of the following is a parametric test of significance**

- A. U test
- B. t-test

**Ans. B**

**151. All are components of Primary Health Care except**

- A. providing essential drugs

- B. supplementary nutrition
- C. treatment of locally endemic diseases and minor ailments
- D. prevention of locally endemic diseases

**Ans. B**

**152. Standard Normal deviate is given by the formula**

- A.  $\frac{x - \bar{x}}{s}$
- B.  $\frac{(x - \bar{x})^2}{s}$

**Ans. A**

**153. The minimum period of treatment for multibacillary leprosy is**

- A. 1yr
- B. 2yrs
- C. 6months
- D. 9months

**Ans. B**

**154. Relative risk is assessed on the basis of**

- A. Strength of association

- B. Possibility
- C. Dose response

**Ans. A**

**155. Median incubation period means**

- A. Time for 50% cases to occur
- B. Time between primary case and secondary case
- C. Time between onset of infection and period of maximum infectivity

**Ans. A**

**156. In census literacy rate is assessed by**

- A.attended literacy classes for one year
- B.ability to write signature
- C.ability to read and write

**Ans. C**

**157. Ringer lactate does not contain**

- A. Sodium
- B. Potassium

C. Chloride

D. Bicarbonate

**Ans. D**

**158. Sickness benefit in ESI is for how many days**

A. 51

B. 61

C. 91

D. 71

**Ans. C**

**ORTHOPEDICS**

**159. Rigid flat foot is not seen in**

A. Osteo arthritis

B. rheumatoid arthritis

C. peroneal spasm

D. congenital tarsal fusion

**Ans. A**

**160. What is the diagnostic radiological finding in skeletal flurosis**

- A. sclerosis of sacroiliac joint
- B. interosseous membrane ossification
- C. osteosclerosis of vertebral body
- D. ossification of ligaments of knee joint

**Ans. D?**

**161. Which of the following childhood disorders is a common differential diagnosis of osteomyelitis**

- A. chondrosarcoma
- B. Ewing's sarcoma
- C. osteosarcoma

**Ans. B**

**162. A segmental compound fracture of tibia with 1 cm skin wound is classified as**

- A. Type I
- B. Type II
- C. Type IIIA
- D. Type IIIB

**Ans. A?**

**163. Minimum intradiscal pressure in vertebral column is seen when a person is**

- A. standing
- B. sitting
- C. lying flat
- D. lying on one side

**Ans.**

**164. What is the position of lower limb in anterior dislocation of hip**

- A. flexion adduction and internal rotation
- B. flexion adduction and external rotation
- C. flexion abduction and internal rotation
- D. flexion abduction and external rotation

**Ans. D**

**165. Which of the following is not a complication of Colle's fracture**

- A. Sudek's osteodystrophy
- B. Non Union
- C. Shoulder stiffness
- D. Malunion

**Ans. B**

**166. Median nerve involvement is most common with**

- A. elbow dislocation
- B. supracondylar fracture
- C. lateral condyle fracture
- D. olecranon fracture

**Ans. B**

**167. Earliest bone to ossify is**

- A. Clavicle
- B. Tibia
- C. Sternum
- D. Ribs

**Ans. A**

**ENT**

**168. Bezold's abscess is seen at**

- A. petrous tip
- B. Mastoid tip
- C. digastric triangle

D.subdurally

**Ans. B**

**169. Which of the following is not a feature of Rhinosporidiosis**

A.Bleeding polyp

B.Russel bodies are seen

C.Oral Dapsone is useful in treatment

D.bleeding is present

**Ans. B**

**170. In a patient with hypertrophied adenoids the voice abnormality that is seen is**

A.rhinolalia clausa

B.rhinolalia aperta

C.hotpotato voice

**Ans. A**

**171. Abductor of the vocal cord is**

A.lateral cricoarytenoid

B.cricothyroid

C.posterior cricoarytenoid

**Ans. C**

**172. Cottle's test is used to test the patency of the nares in**

- A. Atrophic rhinitis
- B. Rhinosporidiosis
- C. Deviated nasal septum
- D. Hypertrophied inferior turbinate

**Ans. C**

**173. Which of the following is not seen in Menier's disease**

- A. vertigo
- B. tinnitus
- C. conductive deafness

**Ans. C**

**174. Which of the following ECG finding is associated with congenital deafness**

- A. delta wave

B.long QT

C.short PR interval

**Ans. B**

**175. Which among the following is not true about otosclerosis**

A.hearing better in louder conditions

B.Eustachian tube is always abnormal

C.tympanic membrane is normal

D.bilateral progressive conductive deafness

**Ans. B**

**176. For Grommet tube insertion in serous otitis media, the incision on tympanic membrane is made on**

A.anteroinferior quadrant

B.anterosuperior quadrant

C.posterosuperior quadrant

D.posteroinferior quadrant

**Ans. A**

**177. What is the symptom of a person with unilateral abductor paralysis**

A.dyspnea on exertion

B.transient hoarseness

C.husky voice

D.inspiratory stridor

**Ans. B**

**178. Regarding acute vestibular neuronitis all are true except**

A.tinnitus and vertigo developing over 1-2 weeks

B.high frequency sensory hearing loss

C.spontaneous nystagmus is present

D.usually follows an upper respiratory tract infection

**Ans. B**

**179. Most common complication of tracheostomy is**

A.pneumothorax

B.surgical emphysema

C.injury to the large vessels

D.injury to esophagus

**Ans. B**

**EYE**

**180. Cherry red spot in retina is a feature of**

- A. Infantile Gaucher's disease
- B. Niemann Pick disease
- C. Fabry's disease

**Ans. B**

**181. Preganglionic and post ganglionic Horner's syndrome are differentiated by application of**

- A. Atropine
- B. Pilocarpine
- C. Timolol
- D. Hydroxy amphetamine

**Ans. D**

**182. Axial proptosis is caused by**

- A. blow out fracture of the orbit
- B. maxillary tumor invading the orbit

C. frontal mucocele

D. optic glioma

**Ans. D**

**183. Which of the following is used for treatment of myopia**

A. Nd YAG laser

B. Excimer laser

C. Argon laser

D. Hormium laser

**Ans. B**

**184. Sun flower cataract is seen in**

A. Blunt trauma

B. Diabetes

C. Chalcosis

D. Argyriosis

**Ans. C**

**185. Steroid may be used in the treatment of which of the following type of herpes keratitis**

A. Superficial punctate keratitis

- B. Dendritic ulcer
- C. Geographic ulcer
- D. Disciform keratitis

**Ans. D**

**186. Which of the following is the cause of blindness in partial retinal branch vein occlusion**

- A. Cystoid macular edema
- B. Macular hemorrhage
- C. Vitreous hemorrhage

**Ans. A**

**187. Miotics are useful in which type of squint**

- A. Accomodative squint
- B. Paralytic squint
- C. Divergant squint
- D. Congenital squint

**Ans. A**

**188. Extra capsular extraction of lens is not possible in**

- A. hypermature cataract
- B. immature cataract
- C. lens subluxation
- D. developmental cataract

**Ans. C**

**189. KF ring in Wilson's disease is seen at the level of**

- A. Deschmet's membrane
- B. epithelium
- C. endothelium
- D. stroma

**Ans. A**

**190. Treatment of congenital dacryocystitis is**

- A.dacryocystectomy
- B.hydrostaticmassage
- C.probing and syringing with antibiotics
- D.dacryocystorhinostomy

**Ans. B**

**191. Cattle truck appearance on fundus examination is a feature of**

- A. CRVO
- B. Incomplete CRAO
- C. Incomplete CRVO
- D. Hypertensive retinopathy

**Ans. B**

**192. Whorled keratopathy is seen with the use of**

- A. Digoxin
- B. Amiodarone
- C. Ethambutol

**Ans. B?**

**PSYCHIATRY**

**193. Reversible dementia is a feature of**

- A. Alzheimer's disease
- B. Pick's disease
- C. Multiinfarct dementia
- D. Hypothyroidism

**Ans. D**

**194. Which of the following is not a classical symptom of depression**

- A.altered sleep pattern
- B.weight loss
- C.guilt
- D.decreased appetite

**Ans. C?**

**195. Psychomotor symptoms are associated with which type of schizophrenia**

- A.hebephrenic
- B.catatonic
- C.paranoid
- D.simple

**Ans. B**

**196. Which of the following is a first rank symptom in Schizophrenia**

- A.perceptual delusions
- B.thought insertion
- C.perceptual hallucinations

**Ans. B**

**A I P P G**

**197. Which of the following is not seen in Korsakoff's syndrome**

- A.clear consciousness
- B.inability to learn new things
- C.hallucinations
- D.confabulation

**Ans. C**

**198. Wernicke Korsakoff's syndrome is due to the deficiency of which of the following**

- A.Pyridoxine
- B.Thiamine
- C.Vitamin B12
- D.Riboflavin

**Ans. B**

**199. The type of treatment which can be used for mental retardation is**

- A.Psychoanalysis
- B.Family therapy
- C.Transaction analysis
- D.Rapid emotive treatment and response

**Ans.**

**200. deJavu phenomenon means**

A.feeling that familiar things look unfamiliar

B.individual feels that he knows the surroundings even though he is new to it

**Ans. B**

**SKIN**

**201. Condyloma accuminatum is produced by which type of papilloma virus**

A.HPV 6-16

B.HPV 6-11

C.HPV 16-18

D.HPV 11-18

**Ans. B**

**202. Herald patch is seen in**

A.pityriasis rosea

B.lichen planus

C.DLE

**Ans. A**

**203. Which of the following is not a pyoderma**

- A. Furuncle
- B. Ecthyma
- C. Pyoderma gangrenosum
- D. Carbuncle

**Ans. C**

**204. Treatment of choice for disseminated gonococcal infection is**

- A. penicillin
- B. ceftriaxone

**Ans. B**

**205. Epidemic tinea capitis is caused by**

- A. Trichopyton mentagrophytes
- B. Trichophyton rubrum
- C. Microsporum audoni

**Ans. C**

**206. Scabies in children differs from that in adults in that it affects**

A. webspaces

B. face

C. genitalia

D. axilla

**Ans. B**

**207. A smear from a genital lesion shows Donovan bodies. The diagnosis is**

A. Lymphogranuloma venereum

B. Chancroid

C. Granuloma inguinale

**Ans. C**

**208. Photosensitivity is seen in all except**

A. SLE

B. Xeroderma pigmentosa

C. Porphyrria cutanea tarda

D. Pseudoxanthoma elasticum

**Ans. D**

**ANAESTHESIA**

**209. Which of the following induction agent is used to produce a 'street-fit' person following surgery**

- A. midazolam
- B. propofol
- C. alfentanil
- D. thiopentone

**Ans. B**

**210. Which of the following reacts with Soda lime in anaesthetic circuits**

- A. trichloroethylene
- B. isoflurane
- C. halothane
- D. methoxyflurane

**Ans. A**

**211. Which of the following anesthetics sensitizes the heart to catecholamines**

- A. Halothane
- B. Isoflurane
- C. Enflurane

**Ans. A**

**212. Thiopentone sodium has a short duration of action because**

- A.it is rapidly metabolized
- B.it is rapidly redistributed

**Ans. B**

**213. In emergency caesarian section rapid induction of anesthesia is done to**

- A.prevent gastric aspiration
- B.prevent fetal depression
- C.to decrease awareness

**Ans. A**

**PEDIATRICS**

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**214. In meconium aspiration syndrome all of the following are true except**

- A.there is always respiratory distress
- B.steroids are not useful
- C.ECMO may be useful

**Ans. A**

**215. What is the percentage of steroid responders in a case of Minimal Change disease**

- A.65%
- B.75%
- C.85%
- D.95%

**Ans. D**

**216. At what age a child is able to state correctly his name and sex**

- A.24months
- B.36months
- C.30months
- D.42months

**Ans. A?**

**217. Which of the following reflexes is present at birth**

- A.knee jerk
- B.ankle jerk
- C.biceps jerk
- D.triceps jerk

**Ans.**

**218. Swollen cherry red lip with strawberry tongue is a feature of**

- A.Kawasaki disease
- B.Scarlet fever

**Ans. A**

**219. Which of the following will not lead to decrease in cell mediated immunity**

- A.protein energy malnutrition
- B.zinc deficiency
- C.selenium deficiency
- D.iron deficiency

**Ans. C**

**220. In Phenylketonuria all are true except**

- A.EEG abnormality in 50% of cases
- B.convulsion in 25% of cases
- C.Blood is drawn for testing immediately after birth
- D.profuse vomiting

**Ans. C**

**221. A 15 month old child is able to do all the following except**

- A.crawl upstairs
- B.make a tower of 5 cubes
- C.name familiar objects
- D.point to familiar things

**Ans. B**

**GYNAE & OBST.**

**222. Which of the following is the commonest cause of urethritis with leucorrhoea**

- A.Chlamydia trachomatis
- B.H.vaginalis
- C.Trichomonas
- D.Candida

**Ans. A**

**223. A pregnant women presents with a placenta praevia of a major degree. The fetus is malformed. Which of the following will be the best line of management**

- A.cesarian section
- B.oxytocin drip
- C.rupture of membranes
- D.instillation of PG E2

**Ans. A**

**224. Transverse lie is most likely to occur in**

- A. subseptate uterus
- B. uterus didelphys
- C. hypoplastic uterus
- D. unicornuate uterus

**Ans. A**

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**225. Oslander's sign means**

- A. Pulsation in the lateral vaginal fornix
- B. Bluish colour change in the vagina
- C. Softening of the cervix
- D. On bimanual palpation the fingers can be approximated as if nothing is in between

**Ans. A**

**226. Which of the following does not cross placenta**

- A. heparin
- B. propranolol
- C. warfarin

**Ans. A**

**227. Magnesium sulfate as an uterine relaxant is contraindicated in following except**

- A.premature rupture of membrane
- B.intrauterine infection
- C.myasthenia gravis
- D.renal failure

**Ans. B**

**228. Anti epileptic agent given in pregnancy is**

- A.phenytoin
- B.sodium valproate
- C.carbamazepine
- D.lamotrigene

**Ans. D**

**229. A pregnant woman with Mitral stenosis is most likely to undergo failure in which period**

- A.16wks
- B.24wks
- C.20wks
- D.28wks

**Ans. D**

**230. CA-125 is the tumor marker for**

A.colon

B.ovary

**Ans. B**

**231. Incidence of scar rupture in a pregnant lady with previous LSCS is**

A. 0.2

B. 0.5

C. 0.7

D. 0.9

**Ans.**

**232. Karyotype of Turner's syndrome is**

A. XO

B. XX

C. XXY

D. XY

**Ans. A**

**233. What is true about shoulder presentation**

- A. Cord prolapse is common
- B. 3rd degree perineal tear is common
- C. Deep transverse arrest can occur
- D. More common in primi

**Ans.**

**234. Variable deceleration indicates**

- A. head compression
- B. cord compression
- C. fetal hypoxaemia
- D. maternal sedation

**Ans. B**

**235. Regarding monozygotic twins which of the following is not true**

- A. USG is more useful in the first half of pregnancy
- B. sex discordance can occur rarely
- C. always monochorionic
- D. more common following ovulation induction

**Ans. C**

**236. The placenta is formed from**

- A. decidua basalis
- B. decidua vera
- C. chorion laeve
- D. decidua capsularis

**Ans. A**

**237. The level of hCG is maximum during which day of pregnancy**

- A. 50-60
- B. 60-70
- C. 70-80
- D. 80-90

**Ans. B**

**238. Failure rate of tubal sterilization is one in**

- A. 100
- B. 200
- C. 500
- D. 1000

**Ans. B**

**239. Which cervical fibroid is most likely to cause urinary retention**

- A. Anterior
- B. Posterior
- C. Submucous
- D. Subserous

**Ans. A**

**240. Fetal lung maturity is assessed by all the following except**

- A. Lecithin sphingomyelin ratio
- B. Nile blue sulfate test
- C. Nitrazine paper test
- D. Creatinine estimation of amniotic fluid

**Ans. C**

**241. If a patient comes with complaints of post dated pregnancy what is the first thing that you will do**

- A. USG
- B. NST
- C. Review the menstrual history once more
- D. X-ray abdomen

**Ans. C**

**242. First trimester USG is not indicated in**

- A.Hydramnios
- B.Hyper emesis gravidarum

**Ans. A**

**243. Parkland formula for burns is for**

- A.Ringer lactate
- B.glucose saline
- C.Normal saline

**Ans. A**

**244. Paracusis willisi is seen in**

- A.stapedial fixation
- B.ASOM

**Ans. A**

**245. Mesonephric duct remnant seen in anterolateral vaginal wall is**

- A.Gartner's cyst
- B.endometriotic cyst
- C.Inclusion cyst

**Ans. A**

**RADIOLOGY**

**246. Which among the following is least likely to be affected by radiation**

- A.skin
- B.muscle
- C.bone marrow
- D.intestine

**Ans. B**

**247. Bull's eye lesion in ultrasonography is seen in**

- A. Candidiasis
- B. Aspergillosis
- C. Sporotrichosis
- D. Cryptococcosis

**Ans. A**

**248. Unit of absorbed dose of radiation is**

- A.Becqueral
- B.Gray
- C.Stewart
- D.Roentgen

**Ans. B**

**249. Which of the following is a characteristic radiological finding in neonatal necrotizing enterocolitis**

- A. Gas in the portal system
- B. Gas in the intestinal wall
- C. Pneumoperitoneum
- D. Air fluid levels

**Ans. B**

**250. Sign of contour is seen in**

- A. Ulcerative colitis
- B. duodenal atresia
- C. Chron's disease