

JIPMER 2000

ANATOMY

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 ambiguus
- 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. lattismus 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 CO₂ in blood is transported as

- A. Dissolved CO₂

- B. HCO₃⁻
- 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. PGI₂
- 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 myelophthistic 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 thrombocyto-penia

- 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.Irondeficiency 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 accidentally 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. Holmium 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 tenia 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. webspace
- B. face
- C. genitalia
- D. axilla

Ans. B

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

- A. Lymphogranuloma venerium
- B. Chancroid
- C. Granuloma inguanale

Ans. C

208. Photosensitivity is seen in all except

- A. SLE
- B. Xeroderma pigmentosa
- C. Poephyria 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 woman 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. lamotrigine

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 levae
- 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.Becquerel
- 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