

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

Test Booklet Series

T. B. C. : AP – 10 – 17/18

A

TEST BOOKLET

ASSISTANT PROFESSOR IN O.M.E.S. Sl. No. 1517

(PAEDIATRICS)

Time Allowed : 3 Hours

Maximum Marks : 200

: INSTRUCTIONS TO CANDIDATES :

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET OF THE SAME SERIES ISSUED TO YOU.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D, AS THE CASE MAY BE, IN THE APPROPRIATE PLACE IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
3. You have to enter your **Roll No.** on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. **YOU ARE REQUIRED TO FILL UP & DARKEN ROLL NO., TEST BOOKLET / QUESTION BOOKLET SERIES IN THE ANSWER SHEET AS WELL AS FILL UP TEST BOOKLET / QUESTION BOOKLET SERIES AND SERIAL NO. AND ANSWER SHEET SERIAL NO. IN THE ATTENDANCE SHEET CAREFULLY. WRONGLY FILLED UP ANSWER SHEETS ARE LIABLE FOR REJECTION AT THE RISK OF THE CANDIDATE.**
5. This Test Booklet contains **200** items (questions). Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE** response (answer) for each item (question).
6. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet.
7. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. **There will be no negative markings for wrong answers.**
8. Before you proceed to mark (darken) in the Answer Sheet the responses to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions sent to you with your **Admission Certificate**.
9. After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the *Answer Sheet* issued to you. You are allowed to take with you the candidate's copy / second page of the Answer Sheet along with the **Test Booklet**, after completion of the examination, for your reference.
10. Sheets for rough work are appended in the Test Booklet at the end.

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SEAL

1. Following is not a true for recurrent pneumonia :
 - (A) Persistence of symptoms for > 1 month
 - (B) 2 Different episodes of pneumonia in 1 year
 - (C) ≥ 3 episodes of pneumonia in any time
 - (D) Must be complete resolution of clinical and radiological picture between eipsodes
2. What is the major goal of newborn screening programme for Sickle cell disease ?
 - (A) Penicillin prophylaxis
 - (B) Folic acid therapy
 - (C) Blood transfusion
 - (D) Gene therapy
3. During Neonatal Resuscitation i. V. Adrenaline is indicated, when :
 - (A) HR < 60 beats/ min after 30 sec of effective ventilation and 30 sec of chest compression
 - (B) HR < 60 beats/ min after 60 sec of effective ventilation and 60 sec of chest compression
 - (C) HR < 80 beats/ min after 30 sec of effective ventilation and 30 sec of chest compression
 - (D) HR < 100 beats/ min after 60 sec of effective ventilation and 60 sec of chest compression
4. Following fact regarding Bacterial endocarditis is not true (Duke criteria) :
 - (A) 2 major criteria for definitive diagnosis
 - (B) 1 measure + 3 minor criteria for definitive diagnosis
 - (C) Vegetation in ECHO is a minor criterion
 - (D) Single +ve blood culture for Coxiella burnetii is a major criterion
5. In Neutropenic SGA babies most important promising strategy for prevention of sepsis is :
 - (A) Low dose prophylactic Vancomycin
 - (B) Prophylactic Fluconazole
 - (C) MG
 - (D) GM-CSF
6. True about i.v Ganciclovir in congenital CMV is :
 - (A) Neutropenia is a significant limitation
 - (B) No decrease in viral urine titre
 - (C) Very useful in CMV Hepatitis
 - (D) No decrease in the incidence of worsening of hearing based on BERA
7. Which of the following CCHD with 'duct dependent systemic blood flow' present with Shock/circulatory collapse shortly after birth ?
 - (A) Critical AS
 - (B) Isolated Coarctation of Aorta
 - (C) Interruption of Aortic Arch
 - (D) TOF
8. A term neonate is having episode of cyanosis and apnoea which are worse on feeding and better when he is crying. Which is the most important next step for diagnosis ?
 - (A) Echocardiogram
 - (B) V-Q Scan
 - (C) Passage of a catheter into nose
 - (D) Bronchoscopic evaluation of palate and larynx

9. Transient Hyperammonemia of the newborn is seen in :
 - (A) Preterm baby with RDS
 - (B) Term baby with HIE
 - (C) SGA with Hypoglycemia
 - (D) Infant of Diabetic Mother
10. All of the following are useful for therapeutic management of hyperkalemia in preterm except :
 - (A) Calcium gluconate
 - (B) Sodium bicarbonate
 - (C) Insulin – Glucose Infusion
 - (D) Sodium polystyrene Exchange Resin
11. To prevent IVH, In sick preterm babies during first week, Platelet Transfusion is recommended below what level of platelet count :
 - (A) 50,000/cmm
 - (B) 1,50,000/cmm
 - (C) 20,000/cmm
 - (D) 2,50,000/cmm
12. A term neonate developed small (2-3 mm) papules over the trunk and face on Day 3 of life that evolves into pustule with surrounding erythema and lasted for 3-4 days. Microscopic examination revealed Eosinophil. What is the skin lesion ?
 - (A) Milia
 - (B) SSSS
 - (C) Erythema Toxicum Neonatorum
 - (D) Transient Neonatal Pustular Melanosis
13. Causes of Metabolic Alkalosis with low urinary Chloride (<10 meq/L) are all except :
 - (A) Vomiting
 - (B) Barter's Syndrome
 - (C) Acute correction of chronically compensated respiratory Acidosis
 - (D) Late diuretic therapy
14. Screening USG for detection of IVH is indicated if :
 - (A) Birth weight <2000 gm
 - (B) <34 weeks gestational age
 - (C) <32 weeks gestational age
 - (D) <36 weeks gestational age if mechanically ventilated
15. The testes descends into the scrotum during _____ month of intrauterine life.
 - (A) 6th month
 - (B) 7th month
 - (C) 10th month
 - (D) 9th month
16. Thymus develops from :
 - (A) 3rd arch
 - (B) 4th arch
 - (C) 2nd arch
 - (D) 6th arch
17. A swelling in the sternocleidomastoid muscle detected in a 14 day old infant require :
 - (A) Immediate surgical intervention
 - (B) Surgical intervention within 2 weeks
 - (C) Prophylactic antibiotic therapy
 - (D) No immediate therapy

18. Primary Congenital nephrotic syndrome is :
 (A) Autosomal dominant
 (B) Autosomal recessive
 (C) X linked dominant
 (D) X linked recessive
19. What group of symptoms are characteristic of meconium aspiration syndrome ?
 (A) Mesenteric vasoconstriction, intestinal ischemia and transient hyperperistalsis
 (B) Rapid irregular respiratory efforts with REM sleep, accompanied by small alterations of pulmonary volume
 (C) Tachypnoea and mild cyanosis
 (D) Irregular and gasping respiration, profound cyanosis, hyperinflated chest, and a X ray showing nonuniform, coarse, patchy infiltrates radiating from the hila into the peripheral lung field
20. What is the mechanism of fetal growth potential reduction ?
 (A) Hypoxia
 (B) Interference with hyperplastic and hypertrophic growth
 (C) Interference with the hyperplastic growth phase characterized by no growth cessation, but rather is persistently slow growth rate and reduced absolute size from the first trimester
 (D) Impairment of transplacental nutrient supplies associated with hypertensive disorders
21. You have a newborn who is just delivered at 40 weeks gestation. On initial examination, the baby has a heart rate of 90, there is a weak cry and minimal chest expansion, the baby has some flexion response to flicking of the sole, his colour is blue, and he lies limpy. The 5 minutes APGAR score would be ?
 (A) 3
 (B) 5
 (C) 6
 (D) 7
22. A cyanotic newborn is suspected of having congenital cyanotic heart disease. His ECG shows left axis deviation and left ventricular hypertrophy. The most likely diagnosis is :
 (A) Transposition of great arteries
 (B) Truncus arteriosus
 (C) Tricuspid atresia
 (D) Tetralogy of Fallots
23. Early clamping of cord is indicated in all except :
 (A) Severe birth asphyxia
 (B) Preterm baby
 (C) Cord around neck
 (D) Rh isoimmunisation
24. A newborn of HIV +ve mother is given the following medicine soon after delivery as per NACO(2014) guideline :
 (A) Nevirapine syrup
 (B) Zidovudine syrup
 (C) Nelfinavir syrup
 (D) Efavirenz syrup

25. Foetal alcohol syndrome include all except :
- (A) IUGR baby
 - (B) Facial dysmorphism
 - (C) Kidney malformation
 - (D) Cardiac malformation
26. In congenital tuberculosis the most reliable investigation is :
- (A) X-ray chest
 - (B) Fundoscopy
 - (C) Gastric aspirate examination
 - (D) Liver biopsy
27. After treatment of infant born to diabetic mother the septal hypertrophy resolves in :
- (A) 2 months
 - (B) 4 months
 - (C) 6 months
 - (D) 8 months
28. The incidence of major malformation in live born infants is :
- (A) 1-2%
 - (B) 2-3%
 - (C) 3-4%
 - (D) 4-5%
29. The bad prognostic indicator in Nephrotic syndrome is :
- (A) Low serum albumin level
 - (B) High serum cholesterol
 - (C) Low serum C3
 - (D) High urine albumin
30. In a baby of HIV +ve mother after delivery upto 6 months which milk cause more harm to baby ?
- (A) Only breast milk
 - (B) Breast milk + top feeding
 - (C) Top feeding only
 - (D) No milk cause any harm
31. Baby of Tobacco smoking mother can have all except :
- (A) Increased tremors
 - (B) Poor auditory responsiveness
 - (C) Decreased tone
 - (D) Less fetal growth after 2nd trimester
32. A baby shows features of facial nerve injury soon after birth, the following statements are correct except :
- (A) Protect eye with patches and artificial tear
 - (B) Usually improves by 7-10 days
 - (C) Requires oral steroid therapy
 - (D) There may be absence of facial nerve
33. If a mother suffers from varicella infection in peripartum period the chance of newborn having varicella is :
- (A) 10%
 - (B) 25%
 - (C) 35%
 - (D) 45%
34. Sabin-fieldman dye test is used for diagnosis of infection in :
- (A) Cytomegalo virus
 - (B) Lyme disease
 - (C) Syphilis
 - (D) Toxoplasma gondi

35. A preterm baby will have reduced risk of pneumothorax if rescue treatment with surfactant is given :
 (A) Within 1 hours
 (B) Within 2 hrs
 (C) Within 3 hrs
 (D) Within 4 hrs
36. Twin to twin transfusion is suspected with Hb. of identical twin differs by :
 (A) >5 gm/dl
 (B) >10 gm/dl
 (C) >15 gm/dl
 (D) >2 gm/dl
37. If a preterm baby is born, what is the minimum weight below which one should not resuscitate according to AAP ?
 (A) 500 gm
 (B) 600 gm
 (C) 700 gm
 (D) 400 gm
38. Which of the following is not an acute phase reactant in Rheumatic fever ?
 (A) ASO titer
 (B) ↑ ESR
 (C) Leucocytosis
 (D) ↑ CRP
39. Urgent Exchange transfusion is required in a new born having the following condition :
 (A) Kernicterus
 (B) ABO incompatibility
 (C) Rh incompatibility
 (D) All of the above
40. A preterm baby weighing <1000gm, the incidence of symptomatic PDA is as high as :
 (A) 30%
 (B) 40%
 (C) 10%
 (D) 70%
41. Routine care during newborn resuscitation is needed if following are present except :
 (A) Full Term Baby
 (B) Good cry
 (C) Good tone
 (D) Apnoea
42. Once positive pressure ventilation has begun in a newborn, assessment should consist of simultaneous evaluation of which parameters except :
 (A) Heart rate
 (B) Respiration
 (C) Colour
 (D) State of oxygenation (Sp O₂)
43. In neonatal resuscitation the targeted preductal Sp O₂ after birth at 3 min is :
 (A) 60%-65%
 (B) 65%-70%
 (C) 70%-75%
 (D) 75%-80%
44. Antenatal USG finding suggestive of trisomy 21 are all except :
 (A) Choroid plexus cyst
 (B) Nuchal pad thickening
 (C) Pyelectasis
 (D) Hyper echogenic bowel

45. In new Ballard score, A score of '0' corresponds to what gestational age :
- 20 weeks
 - 24 weeks
 - 28 weeks
 - 32 weeks
46. Oxygen index is calculated as :
- $\text{PaO}_2/\text{FiO}_2$
 - $(\text{FiO}_2 \times 713) - \text{PaCO}_2/\text{RQ}$
 - $\{(\text{MAP} \times \text{FiO}_2)/\text{PaO}_2\} \times 100$
 - $\text{PaO}_2/\text{PAO}_2$
47. Which of the following closes first after birth ?
- Ductus arteriosus
 - Foramen ovale
 - Ductus venosus
 - Foramen magnum
48. Lowe syndrome is a X linked disorder characterized by all except :
- Cataract
 - Hypertonia
 - Progressive growth failure
 - Fanconi syndrome
49. Leukokoria suggest all except :
- Cataract
 - Retinopathy of prematurity
 - Culoboma
 - Corioretinitis
50. A male newborn with urinary obstruction is most likely suffering from :
- Neurogenic bladder
 - Posterior urethral valve
 - Meatal stenosis
 - Bladder neck obstruction
51. The best estimate of fetal age is measurement of :
- Fetal crown rump length
 - Biparietal length
 - Fetal femur length
 - Fetal crown hill length
52. In a pregnancy with a fetus with trisomy-21, which of the following is correct :
- Maternal unconjugated oestriol levels are higher than expected and HCG levels are decreased
 - β HCG levels are higher than expected and unconjugated oestriol levels are decreased
 - Maternal inhibin levels are higher and HCG levels are decreased
 - Maternal inhibin levels are decreased and maternal UE3 levels are increased
53. Wide fontanelles in a newborn may be present due to all except :
- Hypothyroidism
 - Intrauterine malnutrition
 - Hyperphosphatasia
 - Trisomy syndromes
54. Collection of specimen for Neonatal metabolic screen is done at the age of :
- Birth-24 hrs
 - 24-72 hrs
 - 2-7 days
 - 2 weeks

55. Risk factors of transient tachypnoea of newborn are all except :
- (A) Female gender
 - (B) Birth to an asthmatic mother
 - (C) Premature birth
 - (D) IDM baby
56. Kernicterus can be enhanced by which of the following drugs in a jaundiced newborn baby :
- (A) Tetracycline
 - (B) Penicillin
 - (C) Chloramphenicol
 - (D) Sulphonamide
57. Term baby born out of Non-diabetic mother developed fatal RDS, CXR showed ground glass appearance typical of HMD in preterm, didn't respond to mechanical ventilation, repeated surfactant administration. What is likely Diagnosis ?
- (A) PPHN
 - (B) Congenital pneumonia
 - (C) SP-B Deficiency
 - (D) MAS
58. Which intervention is tested to be significantly effective in reduction of incidence of BPD ?
- (A) IM Vit A supplementation
 - (B) Vit E supplementation
 - (C) Postnatal Steroid
 - (D) Surfactant Use
59. Which of the following medications is not indicated for resuscitation in delivery room ?
- (A) Normal saline
 - (B) Epinephrine
 - (C) Dopamine
 - (D) Dexamethasone
60. Treatment of hypoglycemia is IV use of :
- (A) 5% D 2ml/kg.
 - (B) 10% D 2ml/kg.
 - (C) 25% D 2ml/kg.
 - (D) NS 15 ml/kg.
61. To maintain the cord healthy rectified spirit should be put :
- (A) 2 times / day
 - (B) 3 times / day
 - (C) 4 times / day
 - (D) Not required
62. A new born baby having apnea :
- (A) Call the Doctor urgently
 - (B) Tactile stimulation
 - (C) Bag and mask ventilation
 - (D) Bolus aminophylline to start
63. Where you should not put the thermister probe of radiant warmer ?
- (A) Over liver
 - (B) Over spleen
 - (C) Over the epigastrium
 - (D) Interscapular area
64. Umbilical cord consists of :
- (A) One vein two arteries
 - (B) One artery two veins
 - (C) Two arteries two veins
 - (D) One vein one artery

65. Milia is due to :
 (A) Retention of sebum
 (B) Retention of keratin within the dermis
 (C) Viral infection
 (D) Bacterial infection
66. Which of following is not a feature of apgar score ?
 (A) Heart rate
 (B) Muscle tone
 (C) Respiration
 (D) Temperature
67. Isolated vaginal bleeding in a female baby about 3-5 days after delivery is due to :
 (A) Vit K deficiency
 (B) Bleeding disorder
 (C) DIC
 (D) Withdrawal of maternal hormones
68. Normal temperature in neonates is :
 (A) $36^{\circ}\text{C} - 37^{\circ}\text{C}$
 (B) $36.2^{\circ}\text{C} - 34.4^{\circ}\text{C}$
 (C) $36.5^{\circ}\text{C} - 37.4^{\circ}\text{C}$
 (D) $36.4^{\circ}\text{C} - 37^{\circ}\text{C}$
69. A new born baby is put naked in an uncovered tray, the baby is likely to lose maximum heat by :
 (A) Conduction
 (B) Convection
 (C) Radiation
 (D) Evaporation
70. Clinical features of preterm infant include the following except :
 (A) Hypertonia
 (B) Lanugo
 (C) Frog-like position
 (D) Poorly developed genitalia
71. Low Apgar score signifies
 (A) Cardiac status
 (B) Respiratory status
 (C) CNS status
 (D) Birth anoxia
72. 4 years old child has cough, fever, RR $> 70/\text{mt}$, with chest indrawing. As per IMNCI, he is having :
 (A) Very severe pneumonia
 (B) Pneumonia
 (C) No Pneumonia
 (D) Severe pneumonia or very severe disease
73. Following is not true for late hemorrhagic disease of new born :
 (A) Bleeding between 2-7 days of birth
 (B) Bleeding between 2 weeks to 6 months after birth
 (C) Both PT, APTT prolonged
 (D) Vitamin K with or without FFP is treatment of choice
74. 2 years old child has 6-7 times watery motion daily for last 20 days. On examination looks restless/irritable, with sunken eyes. IMNCI treatment for this child is for :
 (A) Severe dehydration
 (B) Some dehydration
 (C) Severe persistent diarrhea
 (D) Persistent diarrhea

75. The basic defect in hyaline mebrane disease :
- Respiratory centre
 - Surfactant
 - Lungs
 - Cardiovascular system
76. The clinical sign of hyaline membrane disease generally first appears :
- In the first 6 hrs of life
 - Between 36 - 48 hrs of life
 - Between 12 - 24 hrs of life
 - After 48 hrs of life
77. The following is not the feature of hypoglycaemia :
- Hypoactive
 - Seizures
 - Vomiting
 - Jaundice
78. Commonest method of heat loss in a neonate is due to :
- Radiation
 - Conduction
 - Convention
 - Evaporation
79. The difference between human milk and cow milk are the following except :
- The lactose content in human milk > cows milk
 - Protein content in human milk < cows milk
 - Whey Protein in human milk > cows milk
 - Casein content in human milk > cows milk
80. Extremely preterm defined as :
- 36 completed weeks of GA
 - <37 completed weeks of GA
 - <28 completed weeks of GA
 - 35 completed weeks of GA
81. Still born is defined as a death of fetus having following feaures except :
- Birth weight \geq 500 gm
 - GA > 22 weeks
 - Fetal death within last 12 weeks of pregnancy
 - GA > 22 weeks
82. Time period for early onset sepsis is :
- < 72 hrs
 - < 7 days
 - > 7 days
 - > 72 hrs
83. All are indications for PPV except :
- Nasal flaring
 - Apnea
 - Gasping breathing
 - HR < 100 bpm
84. Rate of PPV by bag and mask in NRP :
- 40-60/min
 - 40/min
 - 60/min
 - 90/min

85. During PPV if chest rise is not adequate there can be all except :
- (A) Inadequate sealing
 - (B) Blocked air way
 - (C) Inadequate rate of ventilation
 - (D) Inadequate pressure
86. Approximately what % of babies do not require resuscitation at birth :
- (A) 80%
 - (B) 70%
 - (C) 90%
 - (D) 10%
87. During neonatal resuscitation evaluation is done in which order ?
- (A) R, H, C H – Heart rate
 - (B) R, C, H C – Color
 - (C) H, R, C R – Respiration
 - (D) C, R, H
88. Role of observational care in NRP :
- (A) As initial steps of NRP
 - (B) Baby requiring PPV
 - (C) Baby requiring chest compression
 - (D) Baby requiring no resuscitation at all
89. During breast feeding the reflex not present in baby is :
- (A) Oxytocin reflex
 - (B) Sucking reflex
 - (C) Swallowing reflex
 - (D) Rooting reflex
90. Correct position during breast feeding means all except :
- (A) Body well supported
 - (B) Head, neck and body in one plane
 - (C) Baby faces mother
 - (D) Most areola in babies mouth
91. Good attachment means all except :
- (A) Body well supported
 - (B) Head, neck and body in one plane
 - (C) Baby faces mother
 - (D) Most areola in babies mouth
92. Dandy walker malformation occurs due to developmental failure of :
- (A) Floor of 4th ventricle
 - (B) Roof of 4th ventricle
 - (C) Floor of 3rd ventricle
 - (D) Roof of 3rd ventricle
93. Social smile appears at the age of :
- (A) 1 month
 - (B) 2 months
 - (C) 3 months
 - (D) 4 months
94. Which of the following is not possible for a 3 year old child ?
- (A) Can tell
 - (B) Can ride a tricycle
 - (C) Can play with peers
 - (D) Can draw a man with 2 to 4 parts
95. Which of the following is not associated with a case of Down syndrome ?
- (A) GI anomalies
 - (B) Cardiac anomalies
 - (C) Endocrinal anomalies
 - (D) Renal anomalies

96. Following conditions are associated with microcytic hypochromic anemia except:
- Lead poisoning
 - Sideroblastic anemia
 - Thalassemia minor
 - Chronic renal failure
97. The following metabolic derangement in a case of Congenital adrenal hyperplasia (Salt loosing variety) due to 21-hydroxylase deficiency is not true:
- Metabolic acidosis
 - Hyperkalemia
 - Hyponatremia
 - Hypokalemia
98. In case of Bartter syndrome all are true except:
- Growth failure
 - Metabolic alkalosis
 - Hyperkalemia
 - Hypercalciuria
99. In a case of Von Geierke disease, which one is not true?
- Hypoglycemia
 - Cardiomegaly
 - Seizure
 - Growth failure
100. A case of ABO incompatibility (Mother-O+ve, Baby-B-ve blood groups) has developed hyperbilirubinemia, which requires exchange transfusion. Following blood can be selected for exchange transfusion:
- O-ve blood
 - B+ve blood
 - B-ve blood
 - O+ve blood
101. Following are true for Congenital pyloric stenosis except:
- Billious vomiting
 - Hypochloremic alkalosis
 - Jaundice
 - Improves after pyloromyotomy
102. Following are true for Wilson's disease except:
- CNS changes
 - ↓ serum ceruloplasmin level
 - K-F ring
 - Autosomal dominant inheritance
103. Which one is not associated with Henoch-Schönlein purpura?
- Arthritis
 - Nephritis
 - Hematemesis
 - Thrombocytopenia
104. The following conditions require infective endocarditis prophylaxis except:
- TOF
 - ASD
 - VSD
 - PDA
105. The basic defect in Hurler syndrome is deficiency of enzyme:
- β-glucuronidase
 - 11-α-hydroxylase
 - α-L-iduronidase
 - β-galactosidase

106. Following are the clinical features of cretinism except :
- (A) Prolonged physiological jaundice
 - (B) Constipation
 - (C) Lethargy
 - (D) Hepatosplenomegaly
107. Find the false statement in the clinical features of congenital rubella syndrome :
- (A) Macrocephaly
 - (B) Growth retardation
 - (C) Deafness
 - (D) Cataract
108. The following is not true for the radiological picture of rickets :
- (A) Cupping and fraying
 - (B) Whiteline of frankel
 - (C) Feature of fracture
 - (D) Periosteal osteoid
109. Following are true for Juvenile dermatomyositis except :
- (A) Gower sign is +ve
 - (B) Heliotrope eyelid
 - (C) Hepatosplenomegaly
 - (D) Anti DS DNA +ve
110. Following is not the feature of SLE :
- (A) Nephritis
 - (B) Arthritis
 - (C) Psychosis
 - (D) Gottron papule
111. Following is not a diagnostic criteria of Kawasaki disease :
- (A) Fever for 3 days
 - (B) Oral changes like erythema, strawberry tongue
 - (C) Conjunctival injection
 - (D) Cervical lymphadenopathy
112. Following drugs can be given through ETT, except :
- (A) Epinephrine
 - (B) Atropine
 - (C) Lidocain
 - (D) Sodibicarb
113. The intra osseous cannulation can be done at the following sites :
- (A) Upper part of tibia
 - (B) Anterior superior iliac spine
 - (C) Sternum
 - (D) All of the above
114. Which one of the following is not true for Bronchiolitis ?
- (A) Main cause is Respiratory syncytial virus
 - (B) Presentation is respiratory distress
 - (C) Antiviral drug Ribavirin IV is given
 - (D) Humidified oxygen is given
115. The diagnosis of Rheumatic fever is based on 2 major, or 2 major + 2 minor criteria with supportive evidence of streptococcal infection, exception is :
- (A) Sydenham's chorea
 - (B) Subcutaneous nodule
 - (C) Carditis
 - (D) Erythema marginatum

116. Following are the complications of measles except :
- Encephalitis
 - Pneumonia
 - SSPE
 - Pancreatitis
117. In Paralytic Poliomyelitis, the polio virus can affect the following sites except :
- Vital medullary centers
 - Anterior horn cells of spinal cord
 - Cranial nerve nucleus
 - Sensory area of cortex
118. 8 years old child has complain of ptosis during evening hours daily. What may be the diagnosis ?
- Guillain-Barre syndrome
 - Myesthenia gravis
 - Muscular dystroph
 - Neurotoxic snake bite
119. Following are complications of phototherapy in un-conjugated hyperbilirubinemia except :
- Loose stool
 - Skin rash
 - Bronze baby syndrome
 - Overheating and dehydration
120. Preterm baby is at increased risk of developing the following problems except :
- Hypoglycemia
 - Hypomagnesimia
 - Hypocacimia
 - Hyperbilirubinimia
121. The CSF picture in Guillane-Barre syndrome is an follows :
- Very high cell count with mild protein rise
 - Mild rise of protein and cell
 - High protein with normal cell or mild pleocytosis
 - Very high protein and cell
122. The diagnosis of Duchenn muscular dystrophy is done by :
- ↑ CPK level in serum
 - Muscle biopsy showing degenerative changes
 - EMG showing ↓ amplitude
 - All of the above
123. All of the following are featur of Nephrotic syndrome except :
- Heavy proteinuria
 - Hypoalbuminemia
 - Oedema
 - Gross hematuria
124. The following drugs can be used in Juvenileideopathic arthritis except :
- Methotrexate
 - NSAID
 - Corticisteroid
 - Cyclosporine
125. Following are the features of craniopharyngioma except :
- Visual loss
 - Growth failure
 - Headache
 - Seizure

126. In a child of febrile seizure, the risk of epilepsy in future is more if :
- It is focal seizure
 - Seizure lasts more than 15 minutes
 - Abnormal FEG
 - All of the above
127. The following is not a clinical feature of Turner syndrome :
- Congenital heart disease
 - Oedema of dorsum of hand and feet
 - Low hair line
 - Tall stature
128. Meningomyelocele is commonly associated with :
- Arnold chiari malformation
 - Hydrocephalus
 - a+b
 - Aquiductal stenosis
129. The acute poststreptococcal glomerulonephritis is characterized by the following except :
- Oedema
 - Renal insufficiency
 - Hypertension
 - Heavy proteinuria
130. PDA closure in new born period can be done by :
- Prostaglandin infusion
 - Indomethacin
 - Dopamin
 - All of the above
131. Following is true for pathological jaundice in neonatal period :
- Jaundice appearing in first 24 hrs
 - Bilirubin increasing by >5mg/dl/day
 - Total bilirubin >15 mg/dl
 - All of the above
132. Following viruses can cause Guillain-Baree syndrome except :
- EB virus
 - Mumps
 - Measles
 - Chicken pox
133. As per Nadas criteria for presence or absence of heart disease, following are the major criteria except :
- Systolic murmur less than grade-III
 - Diastolic murmur
 - Cyanosis
 - CCF
134. The most common congenital heart disease is :
- TOF
 - ASD
 - VSD
 - MS
135. Which of the following is not used in treatment of Bronchial asthma ?
- Salbutamol
 - Corticosteroid
 - Terbutalin
 - β -blocker

136. Following are the treatment of bleeding episodes in Hemophilia A except:
- (A) FFP
 - (B) Factor VIII
 - (C) Cryoprecipitate
 - (D) Stored blood
137. A case of chronic ITP requiring splenectomy should be given the following vaccines:
- (A) Meningococcal vaccine
 - (B) Pneumococcal vaccine
 - (C) H-influenzae vaccine
 - (D) All of the above
138. One of the following feature in falciparum malaria, is not severe and complicated malaria:
- (A) Acute renal failure
 - (B) Hemoglobinuria
 - (C) Palmonary oedema
 - (D) Hb.6gm/dl
139. Intrinsic renal failure is diagnosed by the following:
- (A) Urinary sodium < 20 meq/l
 - (B) Blood Urea : creatinine ratio > 20 : 1
 - (C) Urinary osmolality > 500 mosm/kg
 - (D) Fractional excretion of sodium > 1
140. All of the following about Brain Abscess are true except:
- (A) There occurs low grade fever
 - (B) Common in 4-8 years age group and neonates
 - (C) Most brain abscess are multiple
 - (D) Blood culture is positive in 10% of cases
141. Pseudo tumour cerebri can be due to all of the following except:
- (A) Vitamin A deficiency
 - (B) Hyper vitaminosis A
 - (C) Severe nutritional rickets
 - (D) Acute sinusitis
142. Which of the following is not a feature of Osgood-Schlatter Disease?
- (A) More common in male
 - (B) Occurs between ages of 10-15 years
 - (C) Plain radiograph is usually non-diagnostic
 - (D) Resolves with skeletal maturity
143. Which of the following is false about Baker cyst?
- (A) Usually asymptomatic
 - (B) Not related to intra-articular pathology
 - (C) Spontaneous resolution usually occurs
 - (D) It is a soft mass on physical examination
144. Choice of treatment of supra-ventricular tachycardia in children is all except:
- (A) Valsalva maneuver
 - (B) Lidocaine
 - (C) Adenosine by rapid intra-venous push
 - (D) Synchronised cardioversion

145. All are correct in case of Dent disease except :
- Proximal renal tubular acidosis is common
 - X-linked proximal tubulopathy
 - Hypercalciuria
 - Phosphaturia
146. In neurocysticercosis having recurrent seizures or associated calcified lesions, how long the anticonvulsants are to be used ?
- 4 to 5 years
 - 3 to 4 years
 - 2 to 3 years
 - 6 months
147. Acquired hypertyrosinemia are caused by all except :
- Severe hepato cellular dysfunction
 - Scurvy
 - Hyperthyroidism
 - Hyperparathyroidism
148. In NRP the ratio between chest compression and positive pressure ventilation is :
- 3 : 1
 - 1 : 3
 - 2 : 1
 - 1 : 2
149. Short stature is defined as :
- L/H < 5 centiles in growth chart
 - L/H < 10 centiles in growth chart
 - L/H < 2 centiles in growth chart
 - L/H < 3 centiles in growth chart
150. Failure to thrive is defined as :
- Wt for age < 80% of expected
 - Wt for height < 75% of expected
 - Length or Height for age < 80%
 - Wt for age < 3rd Centile in growth chart
151. In maple syrup urine disease following are present in plasma in maximum amount :
- Valine
 - Leucine
 - Isoleucine
 - Alloisoleucine
152. In classic galactosemia the commonest enzyme defect is :
- Galactokinase
 - Galactose-1 phosphate uridyl transferase
 - Uridine diphosphate galactose-4-epimerase
 - All of the above
153. In Down syndrome screening during pregnancy in 2nd trimester Quad test is done in maternal serum. Which one is not a part of Quad test ?
- Unconjugated oestriol
 - Inhibin A
 - α -Fetoprotein
 - PAPP-A
154. In uniparental disomy, if both pair of chromosome come from father, then the condition will be :
- Angelman syndrome
 - Praderwilli syndrome
 - Barter syndrome
 - Patau syndrome

155. Cherry red spot in retina is seen in following condition except :
- (A) Nieman pick disease
 - (B) Taysach's disease
 - (C) GM1 gangliosidosis
 - (D) Fabry's disease
156. All types Mucopolysaccharidosis are associated with severe mental retardation, except :
- (A) Hunter syndrome
 - (B) Sanfillipo disease
 - (C) Schie
 - (D) Hurler syndrome
157. In ALL following is not a good prognosticator :
- (A) Age 1-9 years
 - (B) Hypoploidy
 - (C) TLC count < 50000/cmm
 - (D) Hyperploidy
158. Following is not true for acute ITP :
- (A) Ill looking child
 - (B) 70-80% improve spontaneously
 - (C) IVIG can be used in severe cases
 - (D) Anti D globuline can be used in severe cases
159. Which is not a feature of Distal RTA ?
- (A) Normal anion gap
 - (B) Metabolic acidosis
 - (C) Hypercalceuria
 - (D) Urine PH <5.5
160. The commonest manifestation of CPKE (Chronic post kernicterus bilirubin encephalopathy) :
- (A) Sensoryneural hearing loss
 - (B) Cerebral palsy
 - (C) Enamel dysplasia of teeth
 - (D) Seizure disorder
161. The absolute contraindication of pertussis containing vaccine is :
- (A) History of anaphylaxis to previous dose
 - (B) Persistent Inconsolable cry for >3hrs
 - (C) Hyperpyrexia within 48 hrs
 - (D) Seizure within 72 hrs
162. To differentiate between VAPP and VDPV, the difference between isolated virus and vaccine virus is characterized by neocleotide substitution in VP1 by :
- (A) >0.5%
 - (B) >0.8%
 - (C) >1%
 - (D) >0.75%
163. House-hold contact of severe immune deficiency children should not receive :
- (A) OPV
 - (B) MMR
 - (C) Varicella
 - (D) All of the above
164. After getting LIVE vaccine the recipient should not get Serum or blood within :
- (A) 2 weeks
 - (B) 4 weeks
 - (C) 8 weeks
 - (D) 6 months

165. Child getting steroid in the dose of 1-2 mg/kg for >2wks can get LIVE vaccine :
- (A) Simultaneously
 - (B) 1 week after stoppage of steroid
 - (C) 2 weeks after stoppage of steroid
 - (D) 1 month after stoppage of steroid
166. What is the minimum effective interval between 2 doses of same inactivated vaccine ? Except rabies :
- (A) 1 month
 - (B) 15 days
 - (C) 23 days
 - (D) 25 days
167. Recent recommendation of vaccination at birth is within following days of birth :
- (A) Within 15 days
 - (B) Within 7 days
 - (C) Within 21 days
 - (D) Within 17 days
168. Following are true for Hemophilia A except :
- (A) Hemarthrosis is hall mark of severe form
 - (B) Autosomal recessive
 - (C) PT normal/APTT prolonged
 - (D) Prophylactic factor A indicated in severe form
169. Blood transfusion is given in SAM (severe acute malnutrition) if following conditions present except :
- (A) Hb level is < 8gm/dl
 - (B) Hb level is < 4gm/dl
 - (C) Hb level of 4-6 gm/dl in presence of respiratory distress
 - (D) If shock does not improve with fluid within 1st hr.
170. Child has central cyanosis, or $\text{Sao}_2 < 92\%$ or not able to breastfeed or drink or convulsions or lethargy or unconsciousness or severe respiratory distress (e.g. head nodding) $\text{RR} > 70/\text{mt}$. Diagnosis is :
- (A) CCF
 - (B) GBS
 - (C) Very severe pneumonia
 - (D) Severe anemia
171. HbSAg +ve mother delivered a 1.8 kg baby the best option for giving Hepatitis-B vaccine :
- (A) 30 days age
 - (B) When baby becomes >2kg
 - (C) Within 12 hours of birth along with Hepatitis B immunoglobuline
 - (D) None of the above
172. Following AED are effective in absent seizure except :
- (A) Ethosuximide
 - (B) Valproate
 - (C) Lamotrigine
 - (D) Vigabatrine

173. 1 year 2 months old child received Pack cell blood transfusion for anemia. When to give varicella vaccine ideally ?

- (A) 15 months age
- (B) 16 months age
- (C) 18 months age
- (D) 20 months age

174. In Kocher-Debre-Semelaigne syndrome following is not a feature :

- (A) Generalised pseudo-hypertrophy
- (B) Short stature
- (C) Hyperparathyroidism
- (D) Hypothyroidism

175. Male child has MR, Autistic behavior, large ears, prognathism, likely diagnosis :

- (A) Noonan syndrome
- (B) Treacher-collin syndrome
- (C) Fragile-X syndrome
- (D) Turner syndrome

176. Which is not a feature of distal RTA ?

- (A) Normal anion gap
- (B) Metabolic acidosis
- (C) Hypercalciuria
- (D) Urine PH <5.5

177. TB Meningitis treatment falls under :

- (A) Category I
- (B) Category II
- (C) Category III
- (D) Category IV

178. Time to start chelation therapy in Thalassemia Major receiving regular blood transfusion is at serum ferritin :

- (A) 750 ng/ml
- (B) 500 ng/ml
- (C) 300 ng/ml
- (D) 1000 ng/ml

179. Causes of refractory epilepsy :

- (A) West syndrome
- (B) Dravet syndrome
- (C) Lennox-Gaustaut syndrome
- (D) All of the above

180. A case of Sickle cell anemia developed acute onset hemiplegia, the treatment is :

- (A) Inj. Streptokinase IV
- (B) Start hydroxyurea orally
- (C) Blood transfusion to ↓ HbS <30%
- (D) Physiotherapy

181. First response in a case of Iron deficiency anemia after start of oral iron therapy :

- (A) ↑ Hb level
- (B) ↑ reticulocyte count
- (C) ↑ appetite, ↓ irritability, improvement in mental function
- (D) ↑ MB iron content

182. Following are cause of macrocytic anemia except :
- (A) B12/Folate deficiency
 - (B) Autoimmune hemolytic anemia
 - (C) Leukemia
 - (D) Liver disease
183. 5 years old child has weakness, anorexia, easy fatiguability for last 3-6 months. O/E has ascites, firm hepatosplenomegaly. Likely cause is :
- (A) Chronic liver disease
 - (B) Allagile syndrome
 - (C) Dubinjohnson syndrome
 - (D) Hepatic vein thrombosis
184. Following AED act through Voltage-gated Potassium channel :
- (A) Valproate
 - (B) Reti gabin
 - (C) Phenytoin
 - (D) Oxcarbamazepin
185. 3 years old child has H/O ecchymosis/hematoma a day after trauma and recurrent mild bruising. PT, APTT, BT are normal. Likely disease :
- (A) Hemophilia A
 - (B) Hemophilia B
 - (C) Hemophilia C
 - (D) Factor XIII deficiency
186. 2 months old Pyogenic Meningitis. CSF C/S shows Listeria Monocytogenes, IV drug of choice :
- (A) Inj.Ceftriaxone
 - (B) Inj.Cefotaxime
 - (C) Inj.Ceftazidime
 - (D) Inj.Ampicillin
187. Child developed sudden drug reaction with skin bullae, Vesicles, blisters involving >30% body surface with necrosis of mucous membrane. Diagnosis is :
- (A) SSSS
 - (B) Toxic shock syndrome
 - (C) Toxic epidermo necrolysis (TEN)
 - (D) Steven-Johnson syndrome
188. Following are the risk factors in Nephrotic syndrome patients for thromboembolism except :
- (A) ↑ Antithrombin III
 - (B) ↓ Protein C
 - (C) ↓ Protein S
 - (D) Hemoconcentration
189. Hyperkalemia is a feature of :
- (A) Proximal RTA
 - (B) Distal RTA
 - (C) Type IV RTA
 - (D) All of the above

190. Following are features of Gitelman syndrome except :

- (A) Hypomagnesemia
- (B) Hypercalciuria
- (C) Hypocalciuria
- (D) Hypokalemic Metabolic alkalosis

191. Vascular hemophilia is due to deficiency of :

- (A) Factor VIII
- (B) Factor IX
- (C) Factor X
- (D) Von-willebrand factor

192. 8 years old girl child has no complain. On FU shows urine C/S significant bacteriuria ($>10^5$ CFU/ml, colony count. Possibilities are :

- (A) UTI requiring treatment
- (B) * Recurrent UTI
- (C) Chronic UTI
- (D) Asymptomatic bacteriuria

193. Zinc is mandatory in following conditions except :

- (A) Acrodermatitis enteropathica
- (B) SAM
- (C) Wilson's disease
- (D) CKD

194. In a 6 years old asymptomatic child LFT is normal, but Antihepatitis A Ig G is +ve. Likely possibility :

- (A) Chronic hepatitis A infection
- (B) Hepatitis A vaccination is required
- (C) Silent hepatitis A past infection
- (D) All of the above

195. VATER/VACTERL congenital malformations are classified as :

- (A) Syndrome
- (B) Association
- (C) Sequence
- (D) Complex

196. Growth hormone deficiency confirmed by following investigation :

- (A) Basal growth hormone estimation
- (B) IGF-I level estimation
- (C) IGF-BP-3 level estimation
- (D) Growth hormone stimulation test

197. Following are true for Enuresis except :

- (A) It is a behavioural problem
- (B) Diagnosed after age of 5 years
- (C) It is a learning disorder
- (D) Desmopressin acetate (DDAVP) is one of treatment

- A**

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