

BBZ

PROVISIONAL ANSWER KEY (CBRT)

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| Name of the post | Paediatrician, Class-1, Employees State Insurance Scheme Class-1 |
| Advertisement No. | 18/2021-22 |
| Preliminary Test held on | 23-11-2021 |
| Question No | 001 - 200 |
| Publish Date | 24-11-2021 |
| Last Date to Send Suggestion(s) | 01-12-2021 |

THE LINK FOR ONLINE OBJECTION SYSTEM WILL START FROM 25-11-2021; 04:00 PM ONWARDS

Instructions / સૂચન

Candidate must ensure compliance to the instructions mentioned below, else objections shall not be considered: -

- (1) All the suggestion should be submitted through **ONLINE OBJECTION SUBMISSION SYSTEM** only. Physical submission of suggestions will not be considered.
- (2) Question wise suggestion to be submitted in the prescribed format (proforma) published on the website / online objection submission system.
- (3) All suggestions are to be submitted with reference to the Master Question Paper with provisional answer key (Master Question Paper), published herewith on the website / online objection submission system. Objections should be sent referring to the Question, Question No. & options of the Master Question Paper.
- (4) Suggestions regarding question nos. and options other than provisional answer key (Master Question Paper) shall not be considered.
- (5) Objections and answers suggested by the candidate should be in compliance with the responses given by him in his answer sheet. Objections shall not be considered, in case, if responses given in the answer sheet /response sheet and submitted suggestions are differed.
- (6) Objection for each question should be made on separate sheet. Objection for more than one question in single sheet shall not be considered.

ઉમેદવારે નીચેની સૂચનાઓનું પાલન કરવાની તકેદારી રાખવી, અન્યથા વાંધા-સૂચન અંગે કરેલ રજૂઆતો ધ્યાને લેવાશે નહીં

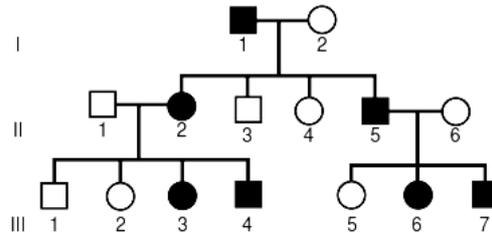
- (1) ઉમેદવારે વાંધા-સૂચનો ફક્ત ઓનલાઇન ઓબ્જેક્શન સબમીશન સીસ્ટમ દ્વારા જ સબમીટ કરવાના રહેશે. રૂબરૂ અથવા ટપાલ દ્વારા આયોગની કચેરીએ મોકલવા આવેલ વાંધા-સૂચનો ધ્યાને લેવામા આવશે નહીં જેની ખાસ નોંધ લેવી.
- (2) ઉમેદવારે વાંધા-સૂચનો રજૂ કરવા વેબસાઇટ / ઓનલાઇન ઓબ્જેક્શન સબમીશન સીસ્ટમ પર પ્રસિધ્ધ થયેલ નિયત નમૂનાનો જ ઉપયોગ કરવો.
- (3) ઉમેદવારે પોતાને પરીક્ષામાં મળેલ પ્રશ્નપુસ્તિકામાં છપાયેલ પ્રશ્નક્રમાંક મુજબ વાંધા-સૂચનો રજૂ કરતા તમામ વાંધા-સૂચનો વેબસાઇટ પર પ્રસિધ્ધ થયેલ પ્રોવિઝનલ આન્સર કી (માસ્ટર પ્રશ્નપત્ર)ના પ્રશ્ન ક્રમાંક મુજબ અને તે સંદર્ભમાં રજૂ કરવા.
- (4) માસ્ટર પ્રશ્નપત્રમાં નિર્દિષ્ટ પ્રશ્ન અને વિકલ્પ સિવાયના વાંધા-સૂચનો ધ્યાને લેવામાં આવશે નહીં.
- (5) ઉમેદવારે પ્રશ્નના વિકલ્પ પર વાંધો રજૂ કરેલ છે અને વિકલ્પ રૂપે જે જવાબ સૂચવેલ છે એ જવાબ ઉમેદવારે પોતાની ઉત્તરવહીમાં આપેલ હોવો જોઈએ. ઉમેદવારે સૂચવેલ જવાબ અને ઉત્તરવહીનો જવાબ ભિન્ન હશે તો ઉમેદવારે રજૂ કરેલ વાંધા-સૂચનો ધ્યાનમા લેવાશે નહીં.
- (6) એક પ્રશ્ન માટે એક જ વાંધા-સૂચન પત્રક વાપરવું. એક જ વાંધા-સૂચનો પત્રકમાં એકથી વધારે પ્રશ્નોની રજૂઆત કરેલ હશે તો તે અંગેના વાંધા-સૂચનો ધ્યાને લેવાશે નહીં.

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001. Young child presents with limp, cough and no fever since 2 days. Local examination shows signs of inflammation in left hip joint. CBC shows normal total and differential count. CRP is normal. The diagnosis?

- (A) Psoriatic arthritis (B) Septic arthritis
(C) Juvenile arthritis (D) Transient synovitis

002. Identify the mode of inheritance.



- (A) Autosomal dominant (B) Autosomal recessive
(C) X linked recessive (D) X linked dominant

003. What percentages of children develop coronary aneurysms in untreated Kawasaki disease?

- (A) 8% (B) 16%
(C) 25% (D) 34%

004. The common and internal carotid arteries arise from

- (A) 1st aortic arch (B) 2nd aortic arch
(C) 3rd aortic arch (D) 4th aortic arch

005. All of the following treatment modalities are used to treat severe PNH (Paroxysmal Nocturnal Hemoglobinuria) except

- (A) Androgen (B) Eculizumab
(C) Stem cell transplantation (D) Hydroxyurea

006. All are complications of Sickle cell anemia except

- (A) Hand-foot syndrome (B) Non alcoholic Steatohepatitis
(C) Avascular necrosis of femoral head (D) Stroke

007. All of the following are inherited bone marrow failure syndromes with pancytopenia except

- (A) Fanconi anemia (B) Shwachman-Diamond syndrome
(C) Denys Drash syndrome (D) Dyskeratosis congenita

008. All of the following are anticoagulants except

- (A) Protein C (B) Antithrombin III
(C) Tissue Factor Pathway Inhibitor (D) Hageman Factor

009. Prazosin is commonly used for scorpion sting. This drug belongs to which class of drugs?

- (A) Alpha 1 adrenergic blocker (B) Beta adrenergic blocker
(C) Alpha adrenergic agonist (D) Beta adrenergic agonist

010. The first sign to appear in nutritional rickets

- (A) Wrist widening (B) Delayed dentition
(C) Visceroptosis (D) Craniotabes

011. Raised serum phosphate is seen
 (A) Renal rickets (B) Nutritional rickets
 (C) None of the above (D) Both (A) and (B)
012. According to "Indian Medical Council (Professional Conduct, Etiquette and Ethics) Regulations, 2002", all of the following are considered unethical except
 (A) Advertising about a drug (B) Running an open shop
 (C) Receiving commission (D) Public declaration of charges
013. A newborn with bilateral choanal atresia shows the following clinical feature
 (A) Cry relieves cyanosis (B) Prone positioning reduces distress
 (C) Usually asymptomatic (D) Purulent nasal secretions
014. On ventilator, respiratory rate (RR) is set at 30 cpm, tidal volume (TV) at 50 ml, Ti 0.5s and PEEP at 8 cm H₂O. What is the expiratory Time (Te)?
 (A) 1.2 sec (B) 0.5 sec
 (C) 1.5 sec (D) 1.1 sec
015. A 3 and half year old blonde, blue eyed girl developed recurrent non bilious emesis. She had delayed development, eczema and a musty odour of urine. The most likely diagnosis is
 (A) Wiskott-Aldrich syndrome (B) Galactosemia
 (C) Cystinosis (D) Phenyl ketonuria
016. A 1 year old child had recurrent nonbilious vomiting and aspiration. He was diagnosed to have GERD. He also began to have bizarre neck posturing due to reflux. This complication of GERD is called as
 (A) Sandifer syndrome (B) Miller-Dieker syndrome
 (C) Seckel syndrome (D) Kelley Seegmiller syndrome
017. The oral cavity of a young child showed large "Orange tonsils". He also had premature coronary artery disease and hepatosplenomegaly. The most probable diagnosis is
 (A) Abetalipoproteinemia (B) Progeria
 (C) Tangier disease (D) Cockayne syndrome
018. Microcephaly is seen in all of the following except
 (A) Lissencephaly (B) Rickets
 (C) Birth asphyxia (D) Trisomy 18
019. Waddling gait is seen in
 (A) Duchenne Muscular Dystrophy (B) Foot drop
 (C) Peripheral neuropathy (D) Tibial nerve palsy
020. Excretory urogram shows 'cobra head' appearance of ureter in
 (A) Ureterocoele (B) Ureteric duplication
 (C) Ureteric agenesis (D) Posterior urethral valve
021. The diagnostic criteria for SIADH include all of the following except
 (A) Clinical euvoemia (B) Hyponatremia <135meq/L
 (C) Increased urine osmolality (D) Increased serum osmolality

022. The following are atypical presentations of PSGN (post streptococcal glomerulonephritis) except
 (A) Pulmonary edema (B) Hypertensive encephalopathy
 (C) Congestive cardiac failure (D) Arthritis
023. All the following are predominantly small vessel vasculitis except
 (A) Wegener's granulomatosis (B) Polyarteritis nodosa
 (C) Churg Strauss syndrome (D) Microscopic polyangitis
024. Hematuria, anterior lenticonus and sensorineural hearing loss are seen in
 (A) Farber disease (B) Nail Patella syndrome
 (C) Alport syndrome (D) Cystinosis
025. All of the following are true about minimal change nephrotic syndrome except
 (A) The onset is between 2-6 years of age (B) Persistent hypertension is common
 (C) More common in boys (D) Good prognosis
026. The gold standard for measurement of central venous saturation (ScvO₂) for monitoring of hemodynamic status is?
 (A) Co-oximetry (B) Pulse oximetry
 (C) Capnography (D) None of the above
027. Which of the following primitive reflex should disappear for rolling over to be attained?
 (A) Moro's reflex (B) Palmar reflex
 (C) Asymmetric Tonic neck Reflex (D) Gallant's reflex
028. All of the following cause short stature except
 (A) Renal failure (B) Celiac disease
 (C) Marfan syndrome (D) Pseudohypoparathyroidism
029. Which of the following subtypes of MPS doesn't result in severe mental retardation?
 (A) Hurler disease (B) Scheie disease
 (C) Sanfilippo disease (D) Sly disease
030. According to IMNCI (Integrated Management of Neonatal and Childhood Illness), the colour code 'Pink' suggests?
 (A) Management in the primary health facility (B) Home management
 (C) Improve family and community practices (D) Referral
031. The other name for infantile form of SMA is
 (A) Kugelberg Welanders disease (B) Werdnig Hoffman disease
 (C) Maroteaux lamy syndrome (D) Pelizeus Merzbacker disease
032. Which is not true regarding Bernard Soulier syndrome?
 (A) Thrombocytopenia (B) Macrothrombocytes
 (C) Ristocetin aggregation normal (D) ADP aggregation is normal
033. Which is a minor criterion for diagnosis of rheumatic fever?
 (A) Fever (B) Chorea
 (C) Elevated ASLO (D) Subcutaneous nodules

034. Lutembacher syndrome is
 (A) Coarctation of aorta (B) PDA with reversal of shunt
 (C) LVH in tetralogy of Fallot (D) ASD associated with mitral stenosis
035. All of the following are types of cardiomyopathy except?
 (A) Restrictive (B) Dilated
 (C) Distributive (D) Hypertrophic
036. Erythema marginatum is seen in
 (A) Rheumatic fever (B) Normal newborn
 (C) Parvovirus infection (D) None of the above
037. Increased risk of infective endocarditis is seen in all of the following except
 (A) Restrictive VSD (B) ASD
 (C) Tetralogy of Fallot (D) Left ventricular outflow obstruction
038. Which of the following is true regarding BCG vaccine?
 (A) Diluent used is distilled water
 (B) The efficacy of BCG vaccine is >95%
 (C) Subcutaneous injection is given
 (D) BCG vaccine used in India is made of Danish 1331 strain
039. All of the following are true about autosomal recessive disorders except
 (A) Commonly seen in consanguineous marriages
 (B) Characterised by horizontal transmission
 (C) Characterised by vertical transmission
 (D) Hardy Weinberg formula can be used
040. Which of the following milestones is the first to develop?
 (A) Stranger anxiety (B) Waving bye-bye
 (C) Bidextrous reach (D) Bisyllables
041. All of the following are true about enuresis except
 (A) Enuresis is diagnosed in >5 year old children
 (B) If daytime enuresis is absent, it requires extensive evaluation
 (C) UTI should be ruled out
 (D) Combination therapy works best
042. Which of the following classification of Xerophthalmia is wrong?
 (A) X1A Conjunctival xerosis (B) X1B Bitot spots
 (C) X2A Corneal Xerosis (D) XS Corneal scarring
043. The birth length of a child doubles at the age of
 (A) 2 yrs (B) 3 yrs
 (C) 4 yrs (D) 5 yrs
044. An 8 year old child has developmental age of 2 years. His developmental quotient is
 (A) 25 (B) 30
 (C) 40 (D) 50

045. Which of the following is first sign of puberty in girls?
(A) Pubarche (B) Thelarche
(C) Menarche (D) Growth spurt
046. AFASS (Affordable, Feasible, Acceptable, Safe, Sustainable) criteria applies for
(A) Infant feeding (B) Developmental assessment
(C) Growth (D) Immunisation
047. According to Wellcome Trust classification, Marasmus is defined as
(A) Weight for age <60%, edema + (B) Weight for age 60-80%, edema +
(C) Weight for age <60%, no edema (D) Weight for age 60-80%, no edema
048. Which of the following deficiency is unlikely to coexist with malnutrition
(A) Vitamin A (B) Vitamin B1
(C) Vitamin B2 (D) Vitamin D
049. All are true about RBSK except
(A) Rashtriya Bal Swachha Karyakrama (B) Involves child health screening
(C) Involves early interventions (D) Screens for 4D's from birth to 18 years
050. All are direct features of nutritional rickets except
(A) Hot cross bun appearance (B) Harrison's groove
(C) Fractures (D) Craniotables
051. Pseudoparalysis in infants is seen in
(A) Vitamin E deficiency (B) Vitamin B6 deficiency
(C) Vitamin C deficiency (D) Acute renal failure
052. Composition of WHO recommended ORS. All are true except
(A) Sodium 75 mmol/L (B) Potassium 20 mmol/L
(C) Citrate 10 mmol/L (D) Osmolarity 311 mosm/L
053. Notched central incisors are seen in
(A) Toxoplasmosis (B) Congenital syphilis
(C) Rubella (D) Cytomegalovirus
054. Which of the following is true statement regarding Polio
(A) Most cases are symptomatic
(B) Spastic paralysis is seen
(C) Virus is transmitted by faeco-oral route
(D) Pulse polio vaccine is indicated only in < 2 years
055. Vaccine and its efficacy. Which is true?
(A) DTwP has lesser side effects as compared to DTaP
(B) The efficacy of TT vaccine is about 50%
(C) DTwP has more efficacy as compared to DTaP for Pertussis
(D) The efficacy of BCG vaccine is >95%

056. Which vaccine is contraindicated in children with progressive neurological disease
 (A) DPT (B) Measles
 (C) Typhoid (D) BCG
057. Vertical transmission of Toxoplasmosis is most severe during
 (A) Labour (B) 1st trimester
 (C) 2nd trimester (D) 3rd trimester
058. Bart's hydrops fetalis is lethal because
 (A) Hb Bart's can't bind Oxygen
 (B) Excess alpha chains form insoluble precipitates
 (C) Hb Bart can't release Oxygen to the tissues
 (D) None of the above
059. Hb A2 consists of which globin chains?
 (A) 2 alpha & 2 beta (B) 2 alpha & 2 gamma
 (C) 2 alpha & 2 delta (D) 2 alpha & 2 epsilon
060. Wide fixed split S2 (second heart sound) is seen in
 (A) ASD (B) VSD
 (C) PDA (D) TGA
061. The commonest arrhythmia in children is
 (A) SVT (B) Sinus tachycardia
 (C) Atrial Fibrillation (D) Sinus bradycardia
062. A 10 month old child coming with h/o breathing difficulty for 3 days. Child is afebrile, bilateral rhonchi are heard; Chest X ray shows bilateral hyperinflation; WBC normal. The likely diagnosis
 (A) Asthma (B) Foreign body
 (C) Bronchiolitis (D) Pneumonia
063. Combination of Retinitis pigmentosa and Ichthyosis is seen in
 (A) Netherton syndrome (B) Moebius syndrome
 (C) Refsum disease (D) Neurofibromatosis
064. Precocious puberty is seen in
 (A) Hyperthyroidism (B) Addison's disease
 (C) Mc Cune Albright syndrome (D) Neuroblastoma
065. All are features of acquired hypothyroidism except
 (A) Stunting (B) Myopathy
 (C) Pseudotumour cerebri (D) Precocious puberty
066. Male psuedohermaphroditism with hypertension is a feature of
 (A) 21 alpha Hydroxylase deficiency (B) 17 alpha hydroxylase deficiency
 (C) 11 hydroxylase deficiency (D) 3 beta HSD deficiency
067. 4 year old girl presents with hypertension, virilisation and hypokalemia. The diagnosis is
 (A) 21 alpha hydroxylase deficiency (B) 11 beta hydroxylase deficiency
 (C) 3 beta HSD deficiency (D) Cohn disease

068. Which of the following is not associated with increase in risk of epilepsy in a child with febrile seizure
- (A) Developmental delay (B) Complex partial seizures
 (C) Early age of onset (D) Family history positive
069. All are features of cerebral palsy except
- (A) Spasticity (B) Pseudobulbar palsy
 (C) Athetosis (D) Saturday night palsy
070. All are true about infantile tremor syndrome except
- (A) Fine tremor (B) Presents at 6-8 months
 (C) Anemia (D) Association with vitamin B12 deficiency
071. Infectious cause for aqueductal stenosis
- (A) Measles (B) Mumps
 (C) Staphylococcus (D) Bacterial endocarditis
072. All of the following are true about SLE except
- (A) Children have better prognosis as compared to adults with SLE
 (B) Renal involvement is one of the commonest causes of mortality
 (C) Almost all the patients with SLE have demonstrable ANA
 (D) Glucocorticoids form the mainstay of treatment
073. A 6 year old girl presents with h/o faltering growth & recurrent UTI that are accompanied by a chronic headache. The most likely cause for headache is
- (A) Migraine (B) Tension headache
 (C) Hypertension (D) Craniopharyngioma
074. 9 year old girl presents with ataxia and vesicular rash that starts on chest and gradually spreads to limbs in crops. The most likely diagnosis is
- (A) Measles (B) Varicella Zoster
 (C) Infectious mononucleosis (D) Fifth disease
075. A 10 year old boy has vomiting, diarrhoea and descending paralysis. The likely causative organism is
- (A) Campylobacter jejuni (B) Clostridium botulinum
 (C) Giardia lamblia (D) Bacillus cereus
076. A 1 year old child presents with faltering growth, chronic diarrhoea and recurrent respiratory infections. Select the next appropriate test for this scenario
- (A) Nasopharyngeal aspirate (B) Barium study
 (C) Sweat chloride test (D) Peak Expiratory Flow Rate (PEFR)
077. What is the waste (treatment) disposal option for anatomical waste?
- (A) Incineration (B) Dry heat sterilisation
 (C) Shredding (D) Deep burial
078. Windswept deformity is seen in
- (A) Malnutrition (B) Scurvy
 (C) Friedrich ataxia (D) Rickets

090. All of the following are true about Wilson disease except
 (A) KF rings are seen in 20% of patients with neurologic symptoms
 (B) Psychiatric manifestation includes depression
 (C) Coomb negative haemolytic anemia is seen
 (D) Younger the patient, more likely hepatic dysfunction predominates
091. The most common extraintestinal manifestation of celiac disease is
 (A) Iron deficiency anemia (B) Short stature
 (C) Aphthous stomatitis (D) Acute kidney injury
092. The following are true about pneumonia except
 (A) The predominant causative organisms in 1-3 month old children are bacteria
 (B) Most consistent clinical feature of pneumonia is tachypnea
 (C) USG lung can help diagnose pneumonia
 (D) Gastroesophageal reflux is a differential for recurrent pneumonia
093. The disorder seen in Infantile Hypertrophic Pyloric Stenosis
 (A) Hypochloremic hyperkalemic metabolic acidosis
 (B) Hypochloremic hypokalemic metabolic acidosis
 (C) Hypochloremic hyperkalemic metabolic alkalosis
 (D) Hypochloremic hypokalemic metabolic alkalosis
094. Changing murmurs are a feature of
 (A) Rheumatic heart disease (B) Infective endocarditis
 (C) CCF (D) Aortic regurgitation
095. The following are the comorbidities of obesity except
 (A) Blount disease (B) Pseudotumor cerebri
 (C) Slipped capital femoral epiphysis (D) Nasal polyps
096. Which is not true about Acrodermatitis Enteropathica?
 (A) Reduced Zn level (B) Triad of dermatitis, diarrhoea and dementia
 (C) Improves with Zn supplements (D) Autosomal recessive
097. Opsoclonus Myoclonus Ataxia Syndrome is associated with
 (A) Wilms tumour (B) Astrocytoma
 (C) Retinoblastoma (D) Neuroblastoma
098. Which of the following has the least antipseudomonal action?
 (A) Meropenem (B) Ceftazidime
 (C) Piperacillin (D) Vancomycin
099. In which of the following poisoning, gastric lavage is contraindicated?
 (A) Organophosphorus (B) Barbiturates
 (C) Kerosene (D) Opium
100. A child can draw a triangle at what age?
 (A) 3 yrs (B) 4 yrs
 (C) 5 yrs (D) 6 yrs

101. Which of the following medications increases the chance of poor outcome in an anaphylaxis
 (A) Salbutamol (B) Hydrocortisone
 (C) ACE inhibitor (D) Fexofenadine
102. Which of the following Food allergies is likely to be outgrown
 (A) Milk (B) Egg
 (C) Peanut (D) Both (A) and (B)
103. What causes Pontiac fever?
 (A) S. Aureus (B) Mycoplasma
 (C) Legionella (D) Bartonella henselae
104. Which one is a highly specific skeletal injury in NAI (Non accidental injury)
 (A) Posterior rib Fracture (B) Digital fracture
 (C) Clavicle fracture (D) Diaphyseal fracture of long bones
105. Most useful stool marker for screening of protein losing enteropathy is measurement of:
 (A) Fecal alpha antitrypsin levels (B) Stool albumin
 (C) Stool Ph (D) Stool occult blood
106. Which of the following clotting factors is absent in FFP
 (A) Factor II (B) Factor VII
 (C) Factor IX (D) Factor XIII
107. What is the route of administration of Adrenaline in anaphylaxis
 (A) IM-Deltoid region (B) SC
 (C) IV (D) IM-Anterolateral thigh
108. Which of the following denotes a genetic state
 (A) Allergy (B) Atopy
 (C) Sensitisation (D) Hypersensitivity
109. The following complementary feeding measure helps in prevention of food allergy
 (A) Delayed introduction of allergenic food after 1 year of age
 (B) Delayed introduction of allergenic food after 2 years of age
 (C) Early introduction of allergenic food between 6 to 9 m of age
 (D) Delayed introduction of allergenic food after 5 years of age
110. Which of the following is called "second disease"
 (A) Measles (B) Rubella
 (C) Scarlet fever (D) Exanthema subitem
111. Which of the following is a Fifth generation Cephalosporin
 (A) Cefoperazone (B) Cefuroxime
 (C) Ceftazidime (D) Ceftaroline
112. Hutchison teeth are seen in
 (A) Congenital Syphilis (B) Congenital Rubella Syndrome
 (C) Congenital Varicella (D) Toxoplasmosis

113. As compared to mature human milk, colostrum contains:
- (A) Higher concentrations of lactose (B) Higher concentrations of fat
 (C) Higher concentrations of protein (D) Lower concentrations of growth factors
114. The main immunoglobulin found in human milk is:
- (A) Ig E (B) Ig M
 (C) Ig A (D) Ig G
115. Following the birth of the baby, the delivery of the placenta leads to a drop in
- (A) Cortisol (B) Insulin
 (C) Progesterone (D) Prolactin
116. Which hormone regulates appetite, food intake and energy metabolism and is thought to keep a breastfeeding baby's BMI (basal metabolic index) lower – leading to less risk of childhood obesity?
- (A) Adiponectin (B) Cortisol
 (C) Thyroxine (T4) (D) Leptin
117. Which primary immune deficiency is a permanent contraindication to Rotaviral vaccine ?
- (A) Selective Ig A deficiency (B) Severe Combined Immunodeficiency
(C) Bruton's Agammaglobulinemia (D) Chronic granulomatous disease
118. Which of the following is called Vitamin B5 ?
- (A) Riboflavin (B) Pyridoxine
 (C) Pantothenic acid (D) Thiamine
119. Glasgow Coma Scale score of a dead infant is
- (A) 3 (B) 0
(C) 1 (D) 15
120. The following clotting factor is called Stuart Prower factor
- (A) IX (B) X
(C) XIII (D) IV
121. What is the eponym for MPS VI ?
- (A) San Filippo A (B) Maroteaux Lamy
(C) Sly (D) Hunter
122. Name the Long acting muscarinic antagonist approved for use in Asthma
- (A) Salmeterol (B) Formeterol
 (C) Vilanterol (D) Tiotropium bromide
123. Which of the following is not a carrier used in Dry powder Inhaler (DPI) ?
- (A) Hydrofluorocarbon (B) Sorbitol
(C) Mannitol (D) Lactose
124. Latex Allergy is strongly considered in the following underlying disorder
- (A) Down Syndrome (B) Spina Bifida
(C) Gaucher's disease (D) Atopic dermatitis

125. Sublingual Immunotherapy for the following allergen is approved by GINA in Asthma
 (A) Cockroach (B) Dog dander
 (C) House dust mite (D) All of the above
126. Anaphylaxis is an example for which type of hypersensitivity reaction
 (A) Type 1 (B) Type 2
 (C) Type 3 (D) Type 4
127. Crisaborole is used in the management of
 (A) Erysipelas (B) urticaria
 (C) Folliculitis (D) Atopic dermatitis
128. Dupilumab acts by inhibiting
 (A) IL-4 (B) IL-10
 (C) IL-13 (D) Both (A) and (C)
129. All are features of refeeding syndrome except
 (A) Hypotension (B) Constipation
 (C) Pulmonary edema (D) Tetany
130. The following drug can be used in the management of Chronic idiopathic urticaria which is not responding to fourfold the oral dose of antihistamine
 (A) Omalizumab (B) Vitamin B12
 (C) Ibuprofen (D) Azithromycin
131. Beard Hemangiomas are a marker for
 (A) Laryngeal and subglottic hemangiomas (B) Visceral hemangiomas
 (C) Both (A) and (B) (D) Intracerebral hemangiomas
132. What is the ceiling dose of ceftriaxone in typhoid fever
 (A) 1 g/day (B) 2 g/day
 (C) 3 g/day (D) 4 g/day
133. What is the scoring system used to diagnose bacterial pharyngitis
 (A) Mc. Isaac score (B) RGA scoring system
 (C) Modified Faine criteria (D) Jone's criteria
134. Name the C5 monoclonal antibody used in Atypical HUS
 (A) Omalizumab (B) Dupilumab
 (C) Eculizumab (D) Benralizumab
135. Primary atrophic rhinitis is attributed to infection with –
 (A) S.Aureus (B) Klebsiella Ozonae
 (C) Legionella (D) Mycoplasma
136. Specimen should be collected in the following for Xpert MTB
 (A) Normal saline (B) Glycerol
 (C) 10% acetic acid (D) Formalin
137. Which strain of measles is used in vaccine production?
 (A) Leningrad Zagreb strain (B) Edmonston Zagreb strain
 (C) Urabe 3 strain (D) Winstar RA 27/3 strain

138. Mutation in SCN1A gene is associated with
 (A) Fanconi anemia (B) Patau's syndrome
 (C) Edward syndrome (D) Dravet syndrome
139. Low MCV with Normal RDW is seen in
 (A) Normal infants (B) Thalassemia trait
 (C) Lead poisoning (D) Iron deficiency
140. Obesity line in IAP BMI charts is adult equivalent of
 (A) BMI 23 (B) BMI 27
 (C) BMI 30 (D) BMI 40
141. All are signs of Anorexia Nervosa except
 (A) Dull thinning hair (B) Early puberty
 (C) Acrocyanosis (D) Extremity edema
142. The following behaviours should arouse suspicion of Autism except
 (A) Gaze aversion (B) Echolalia
 (C) No interest in toys (D) Failure to respond to name
143. Pseudoesotropia is seen in
 (A) Congenita glaucoma (B) Ectopia lentis
 (C) Horner syndrome (D) Wide epicanthal folds
144. A screening ECG helps in identifying subjects at risk of sudden death in all these except
 (A) Commotio cordis (B) WPW syndrome
 (C) Long QT syndrome (D) Brugada syndrome
145. The following genetic syndromes are associated with Café au Lait spots and heart disease except
 (A) LEOPARD syndrome (B) Noonan syndrome
 (C) Down syndrome (D) Tuberous sclerosis
146. The following midline lumbosacral lesions are associated with tethered cord except
 (A) Ash leaf macule (B) Aplasia cutis
 (C) Lipoma (D) Dermoid cyst
147. A 10 yr old has a hard freely mobile non tender nodule on the cheek with slight bluish hue of the skin. Most likely diagnosis is
 (A) Pyogenic granuloma (B) Pilomatricoma
 (C) Erythema nodosum (D) Mastocytoma
148. What is the most likely diagnosis of a short obese hypocalcemic child with short 4th metacarpal
 (A) Turner Syndrome (B) Nutritional Rickets
 (C) Albright hereditary osteodystrophy (D) William syndrome
149. Which of the following radiological signs is seen in duodenal atresia
 (A) Target sign (B) Double bubble sign
 (C) Air under the diaphragm (D) Triple bubble sign

150. Genetic imprinting is seen in
 (A) Prader-Willi syndrome (B) Angelman syndrome
 (C) Russell- Silver Syndrome (D) All of the above
151. Fragile X syndrome is characterized by
 (A) Macro orchidism (B) Mitral valve prolapse
 (C) Both (A) and (B) (D) None of the above
152. Clotting factor deficient in Hemophilia C is
 (A) Factor IX (B) Factor VIII
 (C) Both (A) and (B) (D) Factor XI
153. The following Immunoglobulin crosses placenta
 (A) IgM (B) IgG
 (C) Both (A) and (B) (D) IgE
154. Microcytic blood picture is seen in all except
 (A) Iron deficiency anemia (B) Autoimmune hemolytic anemia
 (C) Lead poisoning (D) Sideroblastic anemia
155. PFAPA has all the features except
 (A) Periodic fever (B) Aphthous stomatitis
 (C) Pleuritis (D) Cervical adenitis
156. Which oral pro drug is used for treating CMV-cytomegalo viral infections
 (A) Acyclovir (B) Zanamivir
 (C) valganciclovir (D) None of the above
157. HPV 2 and HPV 4 vaccines have the following 2 serotypes in common
 (A) 6, 16 (B) 6, 11
 (C) 11, 18 (D) 16, 18
158. ET tube size for an ELBW neonate is
 (A) 3 (B) 2.5
 (C) 3.5 (D) They should not be intubated
159. Pneumatosis intestinalis is seen in
 (A) NEC (B) Pseudomembranous enterocolitis
 (C) Both (A) and (B) (D) None of the above
160. Claw hand and Horner syndrome are seen in
 (A) Klumpke paralysis (B) Erb's palsy
 (C) Both (A) and (B) (D) None of the above
161. All are manifestations of essential fatty acid deficiency except
 (A) Alopecia (B) Scaly dermatitis
 (C) Thrombocytopenia (D) Obesity
162. The triad of acute renal failure, acute hemolytic anemia and thrombocytopenia is suggestive of
 (A) ITP (B) G6PD deficiency
 (C) HUS (D) AGN

163. What is the term for extraordinary daytime urinary frequency (as many as 50 times a day)
 (A) Polyuria (B) Pollakiuria
 (C) Diabetes insipidus (D) Polydipsia
164. All can be used in absence seizures except
 (A) Carbamazepine (B) Ethosuximide
 (C) Valproate (D) Lamotrigine
165. Blue discolouration of skin is seen with
 (A) Phenytoin (B) Rifampicin
 (C) Ezogabine (D) Amoxicillin
166. Chloroma is seen in
 (A) ALL (B) AML
 (C) CML (D) CLL
167. Horner syndrome is characterized by all except
 (A) Ptosis (B) Miosis
 (C) Anhidrosis (D) Esotropia
168. Stem cell transplantation which happens between identical twins is called
 (A) Autologous (B) Allogenic
 (C) Syngeneic (D) None of the above
169. Cock -robin deformity is
 (A) Torticollis (B) Genu varus
 (C) CTEV (D) Pes planus
170. Genu varum is seen in all except
 (A) Blount disease (B) Hypophosphatemic rickets
 (C) Metaphyseal chondrodysplasia (D) Following Cozen fracture
171. Which of the following antibodies is associated with drug induced lupus
 (A) Anti Ro (B) Anti histone
 (C) Anti dsDNA (D) Anti RNP
172. All of the following are Type 2 nutrients except
 (A) Iodine (B) Sodium
 (C) Potassium (D) Zinc
173. Many ready-to-consume products such as carbonated soft drinks; sweet or savoury packaged snacks; chocolate, candies come under NOVA 4 classification, has one the group of foods
 (A) Processed foods
 (B) Processed culinary ingredients
 (C) Unprocessed and minimally processed foods
 (D) Ultra-processed food
174. A research study concludes that the event happened purely by chance. Which probability value is most likely to show an effect by chance?
 (A) $p < 1$ (B) $p < 0.0001$
 (C) $p < 0.01$ (D) $p < 0.001$

175. When revising or creating policies in a hospital, which of the following provides the STRONGEST evidence for the policy?
 (A) Meta-analysis (B) Randomised controlled trial
 (C) Case control (D) Case report
176. Inflammation at the tendinous insertion of a muscle from repetitive tensile loading and is most commonly observed during periods of rapid growth is called
 (A) Apophysitis (B) Tendinitis
 (C) Enthesitis (D) Arthritis
177. A simple evidence based approach to a musculoskeletal screening assessment test in school aged children is
 (A) PGALS (B) GALS
 (C) Denver test (D) TDSC
178. Bilateral neural hearing loss is categorized as mild when the hearing loss is
 (A) (20-30 dB hearing level, HL) (B) (30-50 dB HL)
 (C) (50-70 dB HL) (D) (75-85 dB HL)
179. When both the participant and the investigator is unaware of the group assignment then it is called
 (A) Double blinded trial (B) Allocation concealment
 (C) Triple blinded trial (D) Randomization
180. Between ≥ 95 th percentile and <95 th percentile +12 mm Hg or between 130/80 and 139/89 mm Hg(whichever is lower) in children <13 and >13 yr respectively is classified as
 (A) Normal blood pressure (B) Stage 1 hypertension
 (C) stage 2 hypertension (D) Accelerated hypertension
181. FEIBA is used in treatment of
 (A) Hemophilia (B) Von Willebrand diseases
 (C) Bernad soulier syndrome (D) ITP
182. Spinal muscular atrophy therapy which is administered intrathecally recently approved by FDA is
 (A) Nusinersen (B) Stiripentol
 (C) Zonisamide (D) Zafirlucast
183. Dix hallpike manoeuvre where quickly making child supine rotated position from sitting position and checked for nystagmus is done to diagnose
 (A) Postural hypotension (B) Childhood vertigo
 (C) Autonomic instability (D) Cerebellar disorders
184. A score of how much on the AUDIT questionnaire identifies people /adolescents who drink excessively and who would benefit from reducing or ceasing drinking.
 (A) ≥ 8 (B) <5
 (C) ≥ 6 (D) None of the above
185. The Mentzers index in Iron deficiency anemia is
 (A) >13 (B) <13
 (C) >11 (D) <11

186. CH50 activity is a screening test in which of the following
 (A) Screening Tests for Phagocytic Cell Defects
 (B) Screening Test for Complement Deficiency
 (C) Screening Tests for T-Cell Defects
 (D) Screening Tests for B-Cell Defects
187. The formula for normal bladder capacity in children(ml)
 (A) Age in yrs + 30 (B) $30 + (\text{age in years} \times 30)$
 (C) Age in years $\times 30$ (D) $20 + (\text{age in years} \times 20)$
188. The minimum number of bacilli required for detection in Xpert MTB test/RIF ultra
 (A) 16 bacilli per ml sputum (B) 131 bacilli per ml sputum
 (C) 61 bacilli per ml sputum (D) None of the above
189. Children with sickle cell anemia with an elevated time averaged mean maximum (TAMM) blood flow velocity how much are at increased risk for a cerebrovascular event.
 (A) >200 cm/sec (B) <150 cm/sec
 (C) >180 cm/sec (D) >100 cm/sec
190. The more common is an acute, fulminant that occurs in previously healthy children and young adults and usually fatal primary amebic meningoencephalitis (PAM) caused by which organism
 (A) Acanthamoeba (B) Balamuthia,
 (C) Sappinia (D) Naegleria fowleri
191. The mechanism of action of Zanamivir is
 (A) M2 inhibitors (B) Neuraminidase inhibitors
 (C) Leukotriene inhibitors (D) Beta lactase inhibitor
192. The nuclear medicine useful in both diagnosis and treatment of neuroblastoma is
 (A) I - 131 (B) ^{131}I - MIBG
 (C) Iridium - 192 (D) All of the above
193. The lemon sign, noted on antenatal imaging, is a feature when there appears to be an indentation of the frontal bone (depicting that of a lemon), is classically seen as a sign of a which disease
 (A) Chiari II malformation (B) Absence corpus callosum
 (C) Down syndrome (D) Fetal hydronephrosis
194. Cobb's angle of how much is significant for referral for surgery in children more than 10 yrs
 (A) >5 degrees (B) <10 degrees
 (C) >7 degrees (D) >10 degrees
195. Ivacaftor is the new generation used for treatment of which disease
 (A) Ciliary dyskinesia (B) Cystic fibrosis
 (C) Congenital pneumonia (D) CGD
196. 'Eye of the tiger' is a MRI sign of which of the following disorders
 (A) Hallervorden spatz disease (B) Wilson's disease
 (C) Aicardi syndrome (D) ADEM

197. Which of the following cardiac surgeries is associated with complication of protein losing enteropathy
- (A) Blalock – Taussig shunt (B) Potts shunt
(C) Waterson shunt (D) Fontan procedure
198. What recreational drug is most frequently associated with rave parties popularly known as ecstasy or molly
- (A) Ketamine (B) LSD
(C) MDMA (D) Marijuana
199. In children and adolescents the goal of HbA1C in glycemic control is what level
- (A) <7.5 (B) >8
(C) <6 (D) <5.5
200. The most reliable with 100% detection and gold standard for diagnosis of giardia detection is
- (A) Duodenal aspirate/string test (B) 3 stool sampling
(C) Duodenal biopsy (D) Stool culture