

AQH

PROVISIONAL ANSWER KEY [CBRT]

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Instructions / સૂચના

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

- (1) All the suggestion should be submitted in prescribed format of suggestion sheet Physically.
- (2) Question wise suggestion to be submitted in the prescribed format (Suggestion Sheet) published on the website.
- (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. 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 shall be made on separate sheet. Objection for more than one question in single sheet shall not be considered & treated as cancelled.

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

- (1) ઉમેદવારે વાંધા-સૂચનો નિયત કરવામાં આવેલ વાંધા-સૂચન પત્રકથી રજૂ કરવાના રહેશે.
- (2) ઉમેદવારે પ્રશ્નપ્રમાણે વાંધા-સૂચનો રજૂ કરવા વેબસાઈટ પર પ્રસિધ્ધ થયેલ નિયત વાંધા-સૂચન પત્રકના નમૂનાનો જ ઉપયોગ કરવો.
- (3) ઉમેદવારે પોતાને પરીક્ષામાં મળેલ પ્રશ્નપુસ્તિકામાં છપાયેલ પ્રશ્નક્રમાંક મુજબ વાંધા-સૂચનો રજૂ ન કરતા તમામ વાંધા-સૂચનો વેબસાઈટ પર પ્રસિધ્ધ થયેલ પ્રોવિઝનલ આન્સર કી (માસ્ટર પ્રશ્નપત્ર)ના પ્રશ્ન ક્રમાંક મુજબ અને તે સંદર્ભમાં રજૂ કરવા.
- (4) માસ્ટર પ્રશ્નપત્ર માં નિર્દિષ્ટ પ્રશ્ન અને વિકલ્પ સિવાયના વાંધા-સૂચન ધ્યાને લેવામાં આવશે નહીં.
- (5) ઉમેદવારે જે 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 ઉત્તરવહીની જવાબ ભિન્ન હશે તો ઉમેદવારે રજૂ કરેલ વાંધા-સૂચન ધ્યાનમાં લેવાશે નહીં.
- (6) એક પ્રશ્ન માટે એક જ વાંધા-સૂચન પત્રક વાપરવું. એક જ વાંધા-સૂચન પત્રકમાં એકથી વધારે પ્રશ્નોની રજૂઆત કરેલ હશે તો તે અંગેના વાંધા-સૂચનો ધ્યાને લેવાશે નહીં.

001. Riga -Fede disease is associated with
 (A) Natal teeth (B) Cleft palate
 (C) Umbilical hernia (D) Imperforate anus
002. Surgical closure of cleft lip is usually performed at
 (A) 8 months of age (B) 6 months of age
 (C) 4 months of age (D) 3 months of age
003. EREFS reference score is used for
 (A) Eosinophilic esophagitis (B) H. pylori infection
 (C) Reflux disease (D) Oesophageal dysmotility
004. Wolff-Parkinson-White syndrome may be present in
 (A) Tetralogy of Fallot
 (B) Ebstein anomaly
 (C) Ventricular Septal Defect
 (D) Total Anomalous Pulmonary Venous Connection
005. Most common disorder of Keratinization is
 (A) X - linked Ichthyosis (B) Ichthyosis Vulgaris
 (C) Harlequin Ichthyosis (D) Lamellar Ichthyosis
006. Elastography is novel in non-invasive method to assess
 (A) Hepatic biliary tree (B) Kupffer cell function
 (C) Hepatic circulation (D) Hepatic fibrosis
007. Type 2 auto-immune hepatitis is characterised by
 (A) Infrequent treatment failure
 (B) Present at predominantly childhood and young adulthood
 (C) Rarely need long term maintenance
 (D) Histopathological features are not significant
008. All are the causes of avascular necrosis of head of femur except
 (A) Steroid medication (B) Chronic myelogenous leukaemia
 (C) Sickle cell disease (D) Marfan syndrome
009. Focal Biliary Cirrhosis is the pathognomonic liver lesion in
 (A) Non-alcoholic fatty liver disease (B) Langerhans cell histiocytosis
 (C) Cystic fibrosis (D) Sclerosing cholangitis
010. Following are associated with increased risk of Sudden Infant Death Syndrome except
 (A) Soft bedding (B) Genetic susceptibility
 (C) Full term baby (D) Prone sleep position
011. Profuse unilateral epistaxis associated with a nasal mask in adolescent boy near puberty might signal possibility of
 (A) Chronic sinusitis (B) Juvenile nasopharyngeal angiofibroma
 (C) Hereditary haemorrhagic telangiectasia (D) Cocaine abuse
012. Lemierre Disease is
 (A) Infection of parapharyngeal space (B) Peritonsillar cellulitis
 (C) Caused by staphylococcus aureus (D) Common in infants

013. Congenital Laryngeal webs is
 (A) Typically located in the posterior glottis
 (B) Associated with Chromosome 22q11 deletion
 (C) Diagnosed by indirect laryngoscopy
 (D) Result from complete canalization of laryngotracheal tube
014. Following treatment is useful for children with viral bronchiolitis except
 (A) High flow nasal canula (B) Supplemental hydration
 (C) Chest physiotherapy (D) Ribavirin
015. Congenital bronchiectasis with an absence of annular bronchial cartilage is
 (A) Williams-Campbell Syndrome (B) Marnier-Kuhn syndrome
 (C) Right middle lobe syndrome (D) Yellow nail syndrome
016. Ivacaftor a major breakthrough in Cystic Fibrosis therapy is a
 (A) Newer aerosolized antibiotic (B) Potentiator of CFTR mutation
 (C) Anti-inflammatory agent (D) Novel Bronchodilator
017. Total foetal cardiac output is approximately _____ mL/kg/min
 (A) 250 (B) 350
 (C) 450 (D) 550
018. Affection of chromosomal location 4p16 causes
 (A) Ellis-van Creveld syndrome (B) Williams-Beuren syndrome
 (C) Holt-Oram syndrome (D) DiGeorge syndrome
019. Following drugs are PGI₂ analogue used for treatment of pulmonary hypertension except
 (A) Epoprostenol (B) Iloprost
 (C) Treprostinil (D) Ambrisentan
020. Characteristic supra-ventricular tachycardia is
 (A) Variable heart rate (B) Presence of P wave
 (C) Fixed RR interval (D) Direct cardioversion is treatment of choice
021. Strong strength of association of syndrome with Cafe-Au-Lait macules is with
 (A) MEN syndrome (B) Kabuki syndrome
 (C) Johanson-Blizzard syndrome (D) McCune-Albright syndrome
022. First line therapy for diaper dermatitis is
 (A) Zinc oxide ointment (B) Low potency topical corticosteroids
 (C) Anti-candidal agents (D) High potency topical corticosteroids
023. Two-year-old child presenting with papulovesicular lesions, itching and burrows affecting the hands most likely diagnosis is
 (A) Papular urticaria (B) Drug eruptions
 (C) Dermatitis Herpetiformis (D) Scabies
024. Perioral and perianal seborrheic-like dermatitis and alopecia is dermatological manifestation of deficiency of
 (A) Vitamin B2 (B) Vitamin B6
 (C) Essential fatty acids (D) Biotin

025. Low posterior hairline, short neck and decreased cervical range of motion is classical triad of
 (A) Klippel-Feil syndrome (B) Down syndrome
 (C) Ehler-Danlos syndrome (D) Larsen syndrome
026. Traction apophysitis occurring at the insertion of the patellar tendon on the tibial tuberosity is called
 (A) Patellar tendonitis (B) Iliotibial band friction syndrome
 (C) Baker's cyst (D) Osgood-Schlatter disease
027. All of the following are features of macrophage activation syndrome except
 (A) Cytopenia (B) Coagulopathy
 (C) Hypertriglyceridemia (D) Hyponatremia
028. Oligoarticular juvenile idiopathic arthritis has
 (A) Less than 6 joints involvement
 (B) Predominantly affects large joints of lower extremities
 (C) Commonly isolated hip joint involvement
 (D) Very less risk of anterior uveitis
029. Most common cause of death in Systemic Lupus Erythematosus (SLE) patient is
 (A) Hypertension (B) Infection
 (C) Diabetes (D) Malignancy
030. Large or giant coronary artery aneurysms is a feature of
 (A) Giant cell arteritis (B) Takayasu arteritis
 (C) Kawasaki disease (D) Henoch-Schoenlein purpura
031. Definition of Fever of unknown origin (FUO) includes all except
 (A) Fever more than 38°C
 (B) Lasting for more than 4 weeks
 (C) More than 2 Out Patient Department visits
 (D) No cause is elicited after 8 days of evaluation
032. Clinical manifestations of mucocutaneous candidiasis, chronic diarrhoea, rhinitis, otitis media and recurrent pneumonia is usually associated with
 (A) T Cell defect (B) B Cell defect
 (C) Chronic Granulomatous Disease (D) Leukocyte adhesion defect
033. Paediatric autoimmune neuropsychiatric disorders are associated with
 (A) Streptococcus pyogenes (B) Streptococcus pneumoniae
 (C) Staphylococcus aureus (D) H. Influenza type B
034. Recurrent aphthous stomatitis, genital ulcers and uveitis is a feature of
 (A) Behcet disease (B) Hypersensitivity vasculitis
 (C) Drug induced vasculitis (D) Cryoglobulinaemic vasculitis
035. Halo sign is classic radiologic sign on CT is seen in
 (A) Cryptococcus pneumonia (B) Invasive pulmonary aspergillosis
 (C) Acute pulmonary histoplasmosis (D) Blastomycosis
036. Average rate of head growth in a healthy premature infant is _____ cm in first two week
 (A) 0.25 (B) 0.5
 (C) 0.75 (D) 1

037. Which of the following condition has absence of cerebral convolutions and a poorly formed sylvian fissure giving the appearance of foetal brain?
- (A) Schizencephaly (B) Polymicrogyrias
(C) Focal cortical dysplasia (D) Lissencephaly
038. Which anticonvulsant most commonly associated with Stevens-Johnsons like syndrome adverse effect?
- (A) Phenytoin (B) Phenobarbital
(C) Trimidone (D) Lamotrigine
039. The hallmark of Tuberous sclerosis is
- (A) Retinal lesions (B) CNS involvement
(C) Skin lesions (D) Renal involvement
040. True about acute disseminated encephalomyelitis except
- (A) Most frequent autoimmune encephalitis in children
(B) Antibodies against myelin oligodendrocyte glycoprotein
(C) MRI shows prominent white matter involvement
(D) Good response to steroids
041. Synkinesis is a complication of
- (A) Guillain-Barre syndrome (B) Allgrove syndrome
(C) Giant axonal neuropathy (D) Bell palsy
042. Key to successful treatment of Amblyopia is
- (A) Removing any media opacity (B) Prescribing appropriate glasses
(C) Early detection and prompt intervention (D) Occlusion therapy
043. Palsy of vertical gaze, isolated or associated with pupillary or nuclear oculomotor (third cranial nerve) paresis
- (A) Parinaud syndrome (B) Brown syndrome
(C) Mobius syndrome (D) Duane syndrome
044. Sunflower cataract is seen in
- (A) Galactosemia (B) Congenital infection syndrome
(C) Wilson disease (D) Oculo-cerebral renal syndrome of Lowe
045. Gene of retinoblastoma is located on chromosome
- (A) 11 (B) 12
(C) 13 (D) 14
046. Which of the following is the cause of macrocytic anaemia with high retic count?
- (A) Dyserythropoietic anaemia (B) Folate deficiency
(C) Liver disease (D) Diamond-Blackfan anaemia
047. Which of the following is true about Darbepoetin?
- (A) Less effective than recombinant human erythropoietin
(B) Requires more frequent doses
(C) Iron therapy not required simultaneously
(D) Is synthetic form of erythropoietin

048. Leading cause of Coombs negative haemolytic anaemia requiring transfusion in first month of life is
 (A) G6PD deficiency (B) Paroxysmal nocturnal haemoglobinuria
 (C) Hereditary spherocytosis (D) Hexokinase deficiency
049. Most severe form of von Willebrand disease is
 (A) Type 1 (B) Type 2A
 (C) Type 2B (D) Type 3
050. Tumour presenting with blueberry muffin spots on the skin of neonate is
 (A) Teratoma (B) Neuroblastoma
 (C) Rhabdomyosarcoma (D) Haemangioma
051. Following chemotherapeutic agent is Pyrimidine analogue
 (A) Cyclophosphamide (B) 6-Mercaptopurine
 (C) Cytarabine (D) Ifosfamide
052. Treatment with tyrosine kinase inhibitor is the current standard for paediatric
 (A) Juvenile myelomonocytic leukaemia (B) Hodgkin lymphoma
 (C) Chronic myelomonogenous leukaemia (D) Acute myelomonogenous leukaemia
053. The hallmark of Tuberous sclerosis is
 (A) Retinal lesions (B) CNS involvement
 (C) Skin lesions (D) Renal involvement
054. Which of the following tumour is associated with opsoclonus-myoclonus-ataxia syndrome ?
 (A) Neuroblastoma (B) Craniopharyngioma
 (C) Medulloblastoma (D) Chloromas
055. Glomerular filtration begins at approximately _____ week of foetal life
 (A) 4 (B) 6
 (C) 8 (D) 10
056. Significant haematuria is generally considered as presence of more than _____ red blood cells per high power field
 (A) 5 (B) 10
 (C) 20 (D) 50
057. Berger nephropathy in children has
 (A) More prevalence in female patients
 (B) Gross haematuria within 1 to 2 days of respiratory infection
 (C) Poor prognosis
 (D) Reduced serum C3 levels
058. WHO class II lupus nephritis has
 (A) Mesangial immune deposits on electron microscopy
 (B) Mesangial hypercellularity on light microscopy
 (C) Mesangial and endocapillary lesions
 (D) Membranous nephropathy with subepithelial immune deposits
059. All are the presenting features of tethered cord except
 (A) High arch foot with clawing (B) Ankle jerk present with calf atrophy
 (C) Scoliosis (D) Increasing urine urgency

060. Bartter syndrome is a group of disorders characterized by
 (A) Hyperkalaemia (B) Salt retention
 (C) Metabolic alkalosis (D) Hyperchloremia
061. Glomerular filtration rate of 30-59 ml/min/1.73m³ has _____ stage of chronic kidney disease
 (A) 1 (B) 2
 (C) 3 (D) 4
062. Modified Ferriman Gallwey score is used for
 (A) Ovulation (B) Gynaecomastia
 (C) Galactorrhoea (D) Hirsutism
063. All of the following are seen with growth hormone insensitivity except
 (A) Normal sexual function (B) Normal puberty
 (C) Micropenis in childhood (D) Hypoplastic nasal bridge
064. V2 receptor responsible for vasopressin effect has a gene located on chromosome
 (A) X (B) Y
 (C) 13 (D) 21
065. Differential diagnosis of tall stature and overgrowth syndromes include all except
 (A) Beckwith-Wiedemann Syndrome (B) Marshall-Smith Syndrome
 (C) Sotos Syndrome (D) Hypothyroidism
066. All are true about central precocious puberty except
 (A) Onset of breast development before 8 years in female
 (B) Onset of testicular development before 9 years in male
 (C) More common in male than female
 (D) Generally follows the sequence observed in normal puberty
067. Most common cause of acquired hypothyroidism is
 (A) Autoimmune polyglandular syndrome (B) Chronic lymphocytic thyroiditis
 (C) Trisomy 21 (D) Drug induced
068. True about Addison disease
 (A) Tuberculosis is most common cause in adrenal destruction
 (B) Waterhouse-Friderichsen syndrome is cause by meningococcaemia
 (C) Fluconazole causes adrenal insufficiency
 (D) Aldosterone levels are normal
069. Feature of nonketotic hyperosmolar coma is
 (A) Mild dehydration
 (B) Hypothermia
 (C) Serum osmolarity greater than 350 mOsm/kg
 (D) Rapid correction of hyperosmolar state
070. Which cell organelle has their own unique genome in human
 (A) Golgi apparatus (B) Mitochondria
 (C) Rough endoplasmic reticulum (D) Ribosome

071. A classic example of imprinting disorder of is seen in
 (A) Kabuki syndrome (B) Prader-Willi syndrome
 (C) Down syndrome (D) Incontinentia pigmenti
072. Macular 'cherry red spot' is pathognomonic clinical finding of
 (A) Sialidosis (B) Abetalipoproteinemia
 (C) Krabbe disease (D) Propionic acidaemia
073. Cat urine odour is peculiar for
 (A) Isovaleric acidaemia (B) Phenylketonuria
 (C) Multiple carboxylase deficiency (D) Tyrosinemia type 1
074. Macular 'cherry red spot' is pathognomonic clinical finding of
 (A) Sialidosis (B) Abetalipoproteinemia
 (C) Krabbe disease (D) Propionic acidaemia
075. Pupillary reflexes in newborn are present after
 (A) 28 to 30 weeks of gestation (B) 30 to 32 weeks of gestation
 (C) 32 to 34 weeks of gestation (D) 34 to 36 weeks of gestation
076. Most frequent pathogenic bacteria to colonise the umbilical cord is
 (A) Gram negative bacilli (B) Staphylococcus aureus
 (C) Group B streptococci (D) Group A streptococci
077. Which of the following infectious agent is not detected in breast milk
 (A) Group B streptococci (B) Listeria monocytogenes
 (C) Coxiella burnetii (D) Syphilis
078. Commonly used Ballard scoring system is accurate to within _____ weeks of gestational age
 (A) 2 (B) 3
 (C) 4 (D) 5
079. What is the posture of new-born with hypoxic ischemic encephalopathy as per stage 2 Sarnat and Sarnat staging ?
 (A) Normal (B) Flexion
 (C) Extension (D) Decerebrate
080. What is the loading dose of caffeine citrate for apnoea of prematurity ?
 (A) 10 mg/kg (B) 20 mg/kg
 (C) 30 mg/kg (D) 40 mg/kg
081. Neonatal production rate of bilirubin is _____ mg/kg/24hr
 (A) 3 to 4 (B) 4 to 6
 (C) 6 to 8 (D) 8 to 10
082. Equinovarus foot deformity in new-born is an example of
 (A) Deformation sequence (B) Disruption
 (C) Dysplasia (D) Malformation syndrome
083. Most common source of postnatal infections in hospitalized new-born is
 (A) Contaminated equipment (B) Hand contamination
 (C) Intravenous lines (D) Formula milk

084. Which disorder is characterized by normal function of neutrophils and monocyte but unable to kill catalase positive microorganism?
 (A) Chronic granulomatous disease (B) Leucocyte adhesion deficiency syndrome
 (C) Hypereosinophilic syndrome (D) Hemophagocytic lymphohistiocytosis
085. In prone position, infant lifts head and chest with arm extended, head above the plane of the body on ventral suspension is achieved at
 (A) 2 month (B) 3 month
 (C) 6 month (D) 7 month
086. Sudden, brief, partial or complete loss of skeletal muscle tone, typically triggered by strong emotion with retained consciousness
 (A) Narcolepsy (B) Myoclonus
 (C) Cataplexy (D) Myotonia
087. Which of the following is well established psychotherapy for anxiety disorder?
 (A) Applied behavioural analysis (B) Behavioural peer intervention
 (C) Behavioural parent training (D) Individual cognitive behavioural therapy
088. Unexpected difficulty in reading for an individual who has the intelligence to be a much better reader is
 (A) Dyscalculia (B) Dysgraphia
 (C) Apraxia (D) Dyslexia
089. Refeeding syndrome is characterized by
 (A) Rapid enlargement of liver (B) Bradycardia
 (C) Decreased venous pressure (D) Hyperkalaemia
090. White line of Frankel on radiograph is a feature of
 (A) Scurvy (B) Rickets
 (C) Biotin deficiency (D) Pellagra
091. Normal plasma osmolality is _____ mOsm/kg
 (A) 275 to 285 (B) 285 to 295
 (C) 295 to 300 (D) 305 to 310
092. Two rescuer CPR for infant has compressions to breaths ratio
 (A) 30:2 (B) 15:2
 (C) 15:4 (D) 30:4
093. A 10-year-old child having spontaneous eye opening, confused and localizes to pain response has a Glasgow coma scale of
 (A) 10 (B) 11
 (C) 12 (D) 13
094. Treatment of choice for a child having cardiopulmonary compromise with ventricular tachycardia is
 (A) Vagal manoeuvres (B) Amiodarone
 (C) Synchronized cardioversion (D) Adenosine
095. Diseases associated with multiple Café Au Lait spots are all except
 (A) Ataxia Telangiectasia (B) Neurofibromatosis
 (C) PHACE syndrome (D) McCune Albright syndrome

096. The most common acquired chorea of childhood is
 (A) Human Immunodeficiency Virus (B) Sydenham's
 (C) Vascular (stroke, Vasculitis) (D) Metabolic
097. Drug of choice for Scrub typhus
 (A) Meropenem (B) Ceftriaxone
 (C) Doxycycline (D) Penicillin
098. The second most common syndromic form of hyperinsulinemic hypoglycaemia of infancy (HHI) after Beckwith-Wiedemann Syndrome is
 (A) Kabuki syndrome (B) Turner syndrome
 (C) Congenital disorder of glycosylation (D) Wermer syndrome
099. Severe hydronephrosis in third trimester is when Anteroposterior diameter of renal pelvis is more than
 (A) 10 mm (B) 15 mm
 (C) 20 mm (D) 25 mm
100. The diagnosis of micropenis in a male new-born is if the stretched length is less than
 (A) 2.5 cm (B) 1.9 cm
 (C) 1.5 cm (D) 1.2 cm
101. Significant risk factors for neonatal invasive candidiasis include all except
 (A) Prematurity (B) Low birth weight
 (C) Exposure to antiviral drugs (D) Abdominal surgery
102. Which is the gold standard for measurement of glomerular filtration rate?
 (A) Inulin clearance (B) Creatinine clearance
 (C) Technetium (99mTc-DTPA) clearance. (D) Serum Creatinine level
103. Which is the most sensitive test for Meckel diverticulum? (1955)
 (A) Ultrasound (B) Radionuclide scan
 (C) CT scan (D) MRI scan
104. Megalocornea is characterized by an enlarged cornea greater than
 (A) 10 mm (B) 12 mm
 (C) 14 mm (D) 16 mm
105. The new drug approved for treating Spinal Muscular Atrophy is (3315)
 (A) Nusinersen (B) Adalimumab
 (C) Selinexor (D) Trastazumab
106. Patients with Galactosemia seem to be particularly susceptible to infection by
 (A) Staphylococcus aureus (B) E. coli
 (C) Streptococcus pneumoniae (D) Salmonella typhi
107. The drug directed in acute pro-myelocytic leukaemia involving (t 15;17)
 (A) Imatinib Mesylate (B) Rituximab
 (C) All trans retinoic acid (D) Bleomycin
108. Yellow fever vaccine is not given below age of
 (A) 3 months (B) 6 months
 (C) 1 year (D) 2 years

109. Fifth disease (Erythema Infectiosum) is caused by
 (A) Coxsackie virus (B) Herpes simplex virus
 (C) Human Herpes virus (D) Parvo virus B19
110. The most common complication of Measles is
 (A) Pneumonia (B) Acute otitis media
 (C) Sinusitis (D) Tracheitis
111. Paralytic Poliomyelitis develops in what percent of infected individuals
 (A) 0.01% (B) 0.1%
 (C) 0.5% (D) 1%
112. Most frequent cause of Hand Foot Mouth disease
 (A) Coxsackie A 6 (B) Coxsackie A16
 (C) Coxsackie B2 (D) Coxsackie B5
113. The case fatality rate of MERS –CoV is
 (A) 15% (B) 25%
 (C) 35% (D) 45%
114. Criteria for severe dengue (as per WHO) include all of the following except
 (A) Shock (B) Severe bleeding
 (C) AST or ALT > 1000 U/L (D) Lethargy or restlessness
115. An infant present with hypotonia and hyporeflexia with significant prenatal history of polyhydramnios and decreased foetal movements. What do you suspect?
 (A) Spinal muscular atrophy (B) Classical myotonic dystrophy
 (C) Duchenne muscular dystrophy (D) Emery-Dreifuss syndrome
116. A child is scheduled for myelomeningocele surgery. Until the patient is waiting for surgery, the covering of the sac will be protected by a gauze soaked in
 (A) Povidone iodine (B) Normal saline
 (C) Methylene blue (D) Chlorhexidine
117. A child of age 5 years presents with developmental delay and multiple seizure types. The seizures could not be controlled with multiple drugs. Electroencephalogram (EEG) shows 1-2 Hz spike and slow waves and polyspike bursts in sleep. What is the diagnosis?
 (A) Juvenile myoclonic epilepsy (B) Lennox-Gastaut syndrome
 (C) Landau-Kleffner syndrome (D) West syndrome
118. The following are features of bronchial cysts except
 (A) It is mostly mediastinal. (B) It is usually confined to 1 lobe.
 (C) It is usually multiloculated. (D) It is not associated with malignancy
119. The commonest indication for liver transplantation in children is
 (A) Acute viral hepatitis (B) Biliary atresia
 (C) Caroli disease (D) Choledochal cyst
120. Which of the following is false regarding congenital toxoplasmosis?
 (A) It occurs through hematogenous dissemination to the placenta.
 (B) Cerebral calcifications can be seen.
 (C) Single raised value of Immunoglobulin G (IgG) is diagnostic.
 (D) It may manifest as hydrops fetalis

121. All of the following are causes of normal anion gap metabolic acidosis, except
 (A) Renal tubular acidosis
 (B) Diarrhoea
 (C) Acidosis due to intestinal bacterial overgrowth
 (D) Urinary tract diversion
122. A 2 year-old child weighing 7 kg, presents to the emergency with a history of vomiting and diarrhoea for the last 3 days. On examination, the skin pinch over anterior abdominal wall goes quickly to its original position. What is interpretation of the skin pinch test in this child?
 (A) No dehydration (B) Some dehydration
 (C) Severe dehydration (D) Skin pinch cannot be evaluated in this child.
123. A 10-year-old boy presents with nausea, diarrhoea, neurologic manifestations, nail and hair changes, and garlicky odour on the breath. This is seen in which of the following condition?
 (A) Selenium toxicity (B) Chromium toxicity
 (C) Molybdenum toxicity (D) Iodine toxicity
124. Which of these components in breast milk is beneficial in the intestinal cell maturation and repair?
 (A) Lactoferrin (B) Epidermal growth factor
 (C) Cytokines (D) Glutathione peroxidase
125. Earliest SMR stage by which sperms can be found in the urine of a boy is
 (A) Stage 2 (B) Stage 3
 (C) Stage 4 (D) Stage 5
126. All of the following are components of neonatal sepsis screen except
 (A) Immature to total neutrophil ratio (B) C-reactive protein
 (C) Absolute lymphocyte count (D) Micro-erythrocyte sedimentation rate
127. Which among the following is not a late feature of kernicterus?
 (A) Defective upward gaze (B) Sensorineural hearing loss
 (C) Choreoathetosis (D) Hypotonia
128. A term female infant is born by spontaneous vaginal delivery to a primiparous woman who received 2 doses of meperidine 2 hours before delivery. The baby is apnoeic. The most important, immediate management is to
 (A) Obtain a cord blood pH
 (B) Perform bag-mask ventilation
 (C) Administer naloxone in the endotracheal tube
 (D) Begin chest compressions
129. According to the expanded New Ballard score, which of the following criteria can be assigned 5 points?
 (A) Square window (B) Lanugo
 (C) Popliteal angle (D) All of the above
130. The drug with high efficacy with single dose required to treat Giardiasis
 (A) Tinidazole (B) Nitazoxanide
 (C) Metronidazole (D) Albendazole

131. Most common form of Oesophageal Atresia
 (A) Type A (B) Type B
 (C) Type C (D) Type D
132. Triple A syndrome or Allgrove syndrome has the following components except
 (A) Achalasia (B) Anal atresia
 (C) Adrenal insufficiency (D) Alacrimia
133. The gold standard for diagnosis of Hirschsprung disease is
 (A) Anorectal manometry (B) Rectal suction biopsy
 (C) Contrast enema (D) Colonoscopy
134. "Coiled spring sign" on contrast enema is seen in
 (A) Volvulus (B) Ileal atresia
 (C) Intussusception (D) Hirschsprung disease
135. Thiamine Responsive Megaloblastic Anaemia (TRMA) syndrome is characterized by all except
 (A) Diabetes Mellitus (B) Sensorineural hearing loss
 (C) Pigmentary retinopathy (D) Diabetes Insipidus
136. Euvolemic hyponatremia is seen in following conditions except
 (A) Syndrome of Inappropriate ADH secretion
 (B) Hypothyroidism
 (C) Glucocorticoid deficiency
 (D) Cerebral salt wasting
137. Following are examples of diseases associated with Polynucleotide repeat expansions except
 (A) Huntington disease (B) Fragile X syndrome
 (C) Progressive Myoclonic Epilepsy type 1 (D) Pearson syndrome
138. Swimming pool urine odour is seen in
 (A) Phenylketonuria (B) Isovaleric academia
 (C) Hawkinsuria (D) Tyrosinemia type 1
139. Drugs regarded as Unsafe in Acute Porphyria are all except
 (A) Phenytoin (B) Enalapril
 (C) Rifampin (D) Ranitidine
140. Hyper IgE syndrome is characterized by all except
 (A) Recurrent skin and sinopulmonary infections
 (B) Scoliosis
 (C) Eczema
 (D) Neutrophilia
141. Mechanism of action of Omalizumab is
 (A) Anti-IL-5 antibody (B) Binding IgE
 (C) Anti-IL-4/IL-3 (D) Binding IgA
142. Forchheimer spots are seen in
 (A) Mumps (B) Measles
 (C) Rubella (D) Exanthem Subitum

143. Medications associated with Obesity are all except
 (A) Valproate (B) Cyproheptadine
 (C) Propranolol (D) Enalapril
144. By definition, a trace element is
 (A) < 0.001% of body weight (B) <0.01% of body weight
 (C) <0.1% of body weight (D) <1 % of body weight
145. Electroencephalographic patterns of prognostic significance in asphyxiated term infants associated with unfavourable outcome include all except
 (A) Mild depression after day 12 (B) Burst suppression pattern on any day
 (C) Isoelectric tracing on any day (D) Mild depression on day 1
146. Lorenzo oil is used in treatment of
 (A) X linked adrenoleukodystrophy (B) Alexander disease
 (C) Refsum Disease (D) Canavan disease
147. The normal CSF protein in a neonate may be as high as
 (A) 80 mg/dl (B) 100 mg/dl
 (C) 120 mg/dl (D) 140 mg/dl
148. The most common malformation of posterior fossa and hindbrain is
 (A) Dandy Walker Malformation (B) Arachnoid cysts
 (C) Chiari malformation (D) Mega Cisterna Magna
149. Of the following, the MOST common presenting behaviour in girls with attention deficit/hyperactivity disorder (ADHD) is
 (A) Inattentive (B) Hyperactive
 (C) Impulsive (D) Combined
150. Radiographic features of scurvy are similar to that of
 (A) Copper deficiency (B) Magnesium deficiency
 (C) Vitamin A excess (D) Vitamin D excess
151. Spurious hypokalaemia occurs in patients with
 (A) Laxative abuse (B) High white blood cell count
 (C) Cushing syndrome (D) Mismatched blood transfusion
152. The perfusion pressure of brain (cerebral perfusion pressure) equals to
 (A) Intracranial pressure
 (B) Systolic blood pressure minus intracranial pressure
 (C) Mean blood pressure minus intracranial pressure
 (D) Mean blood pressure plus CSF pressure
153. Enzyme replacement therapies are available for the following disorders EXCEPT
 (A) Wolman disease (B) Gaucher disease
 (C) Fabry disease (D) Pompe disease
154. Of the following, the condition which is associated with polyhydramnios is
 (A) Renal agenesis (Potter syndrome) (B) Prune-belly syndrome
 (C) Pulmonary hypoplasia (D) Diaphragmatic hernia

155. Chronic uveitis is one of the extraarticular manifestations of various subtypes of juvenile idiopathic arthritis. All the following are risk factors for the development of uveitis EXCEPT
- (A) Oligoarthritic subtype (B) Female gender
(C) ANA-positivity (D) Severity of arthritis
156. The principal adverse effect of Vigabatrin is
- (A) Neutropenia (B) Retinal toxicity
(C) Hepatotoxicity (D) Skin rash
157. Spasmus Nutans is a triad of following except
- (A) Nystagmus (B) Hearing loss
(C) Head tilt (D) Head nodding
158. Status Migranosus is when Migraine lasts beyond
- (A) 12 hours (B) 24 hours
(C) 48 hours (D) 72 hours
159. Toxic causes of Ataxia include all except
- (A) Phenytoin (B) Carbamazepine
(C) Dextromethorphan (D) Amantadine
160. Ophelia syndrome is associated with
- (A) Nephrotic syndrome (B) Protein energy malnutrition
(C) Lymphoma (D) Pneumonia
161. The age by which the child can make tower of 9 cubes and imitates circular strokes is
- (A) 24 months (B) 30 months
(C) 36 months (D) 42 months
162. The birth weight usually quadruples by the age of
- (A) 1.5 years (B) 2 years
(C) 2.5 years (D) 3 years
163. All the following are compatible with the definition of obstructive sleep apnoea except
- (A) Repeated episodes of prolonged upper airway obstruction
(B) Apnoea
(C) More than 30 percent reduction in airflow
(D) More than 30 percent oxygen desaturation
164. All the following are parasomniac disorders EXCEPT
- (A) Narcolepsy (B) Sleep walking
(C) Sleep terror (D) Confusional arousals
165. All the following are characteristic features of autistic spectrum disorders (ASD) Except
- (A) Defective social communication (B) Highly restricted fixated interests
(C) Stereotyped motor movements (D) Absence of routine
166. In children with physical abuse, when the inflicted trauma is burn injury of the following, the most suggestive one is
- (A) Burns in napkin with involvement of flexures
(B) Presence of splash mark
(C) Unclear border of burn
(D) Glove and stock distribution

167. 15 month old male child with failure to thrive, Diarrhoea and fatty stools of the following, the most common possible cause of his illness is
 (A) Malabsorption (B) Intestinal parasites
 (C) Milk protein intolerance (D) Pancreatic insufficiency
168. You are treating a 10-month-old child with failure to thrive of the following, the minimal accepted catch up weight gain is about
 (A) 10 gm/kg/day (B) 20-30 gm/kg/day
 (C) 40-50 gm/kg/day (D) 60 gm/kg/day
169. The adequate intake for the total digestible carbohydrates in a nine-month-old boy is
 (A) 60 gm/day (B) 95 gm/day
 (C) 120 gm/day (D) 145 gm/day
170. The gastrointestinal hormone /response that stimulates appetite in children is
 (A) Cholecystokinin (B) Ghrelin
 (C) Peptide YY (D) Vagal neuronal feedback
171. Adiposity rebound, the period when the body fat is typically at the lowest level is best represented at the age of
 (A) 1 year (B) 3 years
 (C) 6 years (D) 9 years
172. One of the recognised non haematological manifestation of folic acid deficiency in children is
 (A) Repeated respiratory abscess (B) Recurrent abdominal pain
 (C) Recurrent Seizures (D) Growth retardation
173. The critical site for the renal regulation of sodium balance is the
 (A) Collecting duct (B) Proximal tubule
 (C) Loop of Henle (D) Distal tubule
174. Clinical manifestations of hypermagnesemia include all the following except
 (A) Hypotonia (B) Hyporeflexia
 (C) Sleepiness (D) Hypertension
175. The MOST appropriate treatment of homocystinuria is
 (A) Folic acid (B) Vitamin C
 (C) Vitamin B6 (D) Methionine restriction
176. A very high serum concentration of one or more immunoglobulin classes, suggest all the following EXCEPT
 (A) HIV infection (B) Chronic inflammation
 (C) Intestinal lymphangiectasia (D) Chronic Granulomatous Disease
177. Severe Eosinophilia, defined as an absolute Eosinophil Count (AEC) more than
 (A) 750 cells/ μ l (B) 1500 cells/ μ l
 (C) 5000 cells/ μ l (D) 7500 cells/ μ l
178. The most common pathogen in Chronic Granulomatous disease (CGD) is
 (A) Staphylococcus aureus (B) Aspergillus
 (C) Salmonella (D) Mycobacterium

179. The best rescue medication in the treatment of acute asthma symptoms is
 (A) Oral SABA (B) Inhaled SABA
 (C) Oral corticosteroid (D) Inhaled ipratropium
180. Liver develops from which embryonic germ layer?
 (A) Endoderm (B) Mesoderm
 (C) Ectoderm (D) Endoderm + Mesoderm
181. Foetal glycogen synthesis begins at about _____ weeks of gestation
 (A) 7th (B) 9th
 (C) 11th (D) 13th
182. Pars hepatica-the larger cranial part of the hepatic diverticulum DOES NOT gives rise to
 (A) Kupffer cells (B) Hepatic sinusoids
 (C) Intrahepatic bile ducts (D) Common bile duct
183. Pre exposure prophylaxis of Hepatitis A for traveller of >1 year of age (immunocompromised host) includes
 (A) Hepatitis A Vaccine (B) Immunoglobulin
 (C) Hepatitis A Vaccine + Immunoglobulin (D) None of the above
184. True ischaemic stroke is seen in
 (A) Fabry disease (B) Hyperhomocystenemia
 (C) MELAS (D) Homocystinuria
185. Adverse effects of Rituximab include all of the following except
 (A) Hepatitis B reactivation (B) Cytopenia
 (C) Hypogammaglobinaemia (D) Progressive Multifocal Leukoencephalopathy
186. Muckle Wells syndrome is associated with all except
 (A) Recurrent fever (B) Blindness
 (C) Hypergammaglobinemia (D) Renal Amyloidosis
187. Thumb sucking beyond what age may be associated with sequelae
 (A) 1 year (B) 2 years
 (C) 4 years (D) 5 years
188. Palilalia is repeating
 (A) One's own sounds or words (B) The last heard word or phrase
 (C) Words out of context (D) Meaningless sounds or noises
189. HEADSS interview guide is used for
 (A) Preschool children (B) School going children
 (C) Adolescents (D) Adults
190. The typical adolescent requires how many hours of sleep per night
 (A) 5 to 6 hours (B) 6 to 8 hours
 (C) 8 to 10 hours (D) 10 to 11 hours
191. "Kinetic family drawing" is a useful office tool to assess a Child's functioning above what age
 (A) 3 years (B) 4 years
 (C) 5 years (D) 7 years

192. In which SMR stage Menarche occur in Adolescent Female ?
(A) SMR II (B) SMR III
(C) SMR IV (D) SMR V
193. Which of the Following is the example of PERIODIC FEVER?
(A) Poliomyelitis (B) Colorado tick fever
(C) Dengue fever (D) Hibernian fever
194. Which of the following is the feature of Wiskott Aldrich syndrome?
(A) Reduced CD3 lymphocyte (B) Thrombocytosis
(C) Autosomal Dominant (D) Increased Mitogen Response
195. Which of the Following is correct regarding 5th generation Cephalosporin - Ceftriaxone?
(A) MRSA Pneumonia (B) Can be used in anaerobic pathogen
(C) MRSA in soft tissue and skin infection (D) It is narrow spectrum antibiotic.
196. Which of the Following is NOT the feature of Congenital Sodium Diarrhoea?
(A) Massive secretory diarrhoea (B) Acidic Stool
(C) Metabolic Acidosis (D) Hyponatremia
197. Which of the Following is Feature of Hepatorenal Syndrome?
(A) Polyuria (B) Urine sodium more than 10 mEq/L
(C) Urine: plasma creatinine ratio <10 (D) Fractional excretion of sodium of >1%
198. Which of the following is true about Zellweger (cerebrohepato) syndrome?
(A) X- Linked Recessive (B) Generalized Hypotonia
(C) Prenatal Diagnosis is not possible (D) Death within month of birth
199. In which Clinical Stage the decortication is observed in Reye Syndrome?
(A) Stage I (B) Stage II
(C) Stage III (D) Stage IV
200. In which following is NOT the contraindication for Liver Transplantation?
(A) Severely disabling and uncorrectable disease of Heart
(B) Extrahepatic malignancies
(C) Severely disabling and uncorrectable disease of brain
(D) Infection of extrahepatic Origin