

**PROVISIONAL ANSWER KEY (CBRT)**

<b>Name of The Post</b>	<b>Professor, General Medicine, General State Service, Class-1</b>
<b>Advertisement No</b>	<b>44/2019-20</b>
<b>Preliminary Test Held On</b>	<b>08/03/2020</b>
<b>Que. No.</b>	<b>001-200 ( Concerned Subject Only)</b>
<b>Publish Date</b>	<b>09-03-2020</b>
<b>Last Date to Send</b>	<b>18-03-2020</b>
<b>Suggestion (S)</b>	

**Instructions / સૂચના**

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

- (1) All the suggestion should be submitted Physically in prescribed format of suggestion sheet.
- (2) Question wise suggestion to be submitted in the prescribed format of Suggestion Sheet published on the website.
- (3) All suggestions are to be submitted with reference to the Master Question Paper with provisional answer key, 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 /response sheet. Objections shall not be considered, in case, if responses given in the answer sheet /response sheet and submitted suggestions are differed. For the purpose, the candidate shall attach a copy of his answersheet/ Response sheet along with his application(s).
- (6) Objection for each question shall be made on separate Suggestion sheet. Objection for more than one question in single Suggestion 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 ઉત્તરવહીનો જવાબ ભિન્ન હશે તો ઉમેદવારે રજૂ કરેલ વાંધા-સૂચન ધ્યાનમાં લેવાશે નહીં. આ હેતુ માટે, ઉમેદવારે પોતાની અરજી(ઓ) સાથે પોતાની જવાબવહીની એક નકલનું બિડાણ કરવાનું રહેશે.
- (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. Among the following, which would be the method of choice for purification of highly polluted water on a large scale?  
(A) Boiling (B) Superchlorination + dechlorination  
(C) Ultraviolet light treatment (D) Bleaching powder
002. Physiological calcification is seen in all of the structures except  
(A) Pineal gland (B) Habenular commissure  
(C) Dura (D) Red nucleus
003. Moderate ARDS (as defined by Berlin definition) is characterized by all, except  
(A) PaO<sub>2</sub>/FI<sub>O</sub><sub>2</sub> 200-300mm/Hg (B) Bilateral interstitial infiltrates  
(C) Symptom onset within a week (D) No cardiac failure on echocardiography
004. The symptoms of chronic kidney disease (CKD) will start appearing at what stage  
(A) Stage 1 (B) Stage 2  
(C) Stage 3-4 (D) Stage 4-5
005. A 24-year-old male patient was brought to the Emergency Department after sustaining injuries in a fight. He was able to talk, but disoriented and confused. He could open his eyes spontaneously and respond to pain by localizing. His Glasgow Coma Scale (GCS) score is  
(A) 8 (B) 15  
(C) 11 (D) 13
006. In Urine routine examination, muddy brown casts is a diagnostic feature of  
(A) Acute Tubular necrosis (B) Chronic renal failure  
(C) Pyelonephritis (D) Basement membrane disease
007. Hepatic cholesterol synthesis is maximal between midnight and 2 AM. Most of the statins are preferably administered in the evening. But one of the following statin can be given irrespective of the time of the day  
(A) Simvastatin (B) Pravastatin  
(C) Atorvastatin (D) Lovastatin
008. The following fluoroquinolone is recently approved for acute skin and skin structural infections caused by susceptible bacteria that includes MRSA  
(A) Ciprofloxacin (B) Ofloxacin  
(C) Delafloxacin (D) Norfloxacin
009. The renal auto regulation fails when the systolic BP falls below  
(A) 90 mmHg (B) 100 mmHg  
(C) 80 mmHg (D) 70 mmHg
010. Among the following symptoms which one doesn't improve with dialysis  
(A) Pulmonary edema (B) Metabolic acidosis  
(C) Uremic gastritis (D) Osteodystrophy
011. Life expectancy after having donor kidney transplant is  
(A) 10 years (B) 14 years  
(C) 18 years (D) 20 years

012. Which is the only cranial nerve to exit the brainstem on the dorsal side  
 (A) optic (B) olfactory  
 (C) trochlear (D) trigeminal
013. Which cells secrete surfactant in alveoli  
 (A) type 1 pneumocytes  (B) type 2 pneumocytes  
 (C) type 3 pneumocytes (D) alveolar macrophages
014. The posterior communicating artery is a branch of  
 (A) posterior cerebral artery (B) basilar artery  
 (C) internal carotid artery (D) middle cerebral artery
015. During pleural tapping in midaxillary line, which of the following muscle is not pierced  
 (A) external intercostal (B) internal intercostals  
 (C) innermost intercostal  (D) transversus thoracis
016. Compared to their corresponding arteries, the veins do not have which of the following  
 (A) larger lumen (B) valves  
 (C) thinner walls  (D) more elastic tissue
017. The exercise induced hyperventilation during vigorous exercise is produced due to the receptors present in  
 (A) medulla (B) lung parenchyma  
 (C) carotid bodies (D) trachea and large bronchi
018. Korotkoff's sounds are due to  
 (A) increased laminar flow on application of pressure  
 (B) closure of aortic valve in diastole  
 (C) arterial turbulence on occlusion of vessel  
 (D) normal sound existing , even without application of cuff
019. Which is the EEG wave recorded in a subject who is awake but eyes closed  
 (A) alpha waves (B) beta waves  
 (C) theta waves (D) delta waves
020. The hormone involved in the regulation of blood pressure is  
 (A) serotonin (B) histamine  
 (C) angiotensin II (D) prostaglandin
021. Vasopressin has maximum effect on which part of renal tubule  
 (A) PCT (B) DCT  
 (C) Loop of Henle  (D) collecting duct
022. The National Vector Borne Disease control Programme ( NVBDCP ) doesn't deal with which of the following diseases  
 (A) Lymphatic filariasis (B) Visceral Leishmaniasis  
 (C) Cutaneous Leishmaniasis (D) Japanese Encephalitis
023. Which of the following was launched to ensure complete immunization of children  
 (A) Mission Indra Yojana (B) Mission Dhanush  
 (C) Mission Suraksha Yojana  (D) Mission Indradhanush

024. As per biomedical waste disposal, placenta is discarded in  
 (A) Red bag (B) Blue bag  
 (C) Yellow bag (D) Black bag
025. A diabetologist wants to study the effect of an OHA. He notes down the initial Hba1c value of 50 patients and then administer the drug on them. After 3 months treatment , he measures Hba1c again. Which is the best test of statistical significance of change in Hba1c level  
 (A) Paired T test (B) Unpaired T test  
 (C) AWOVA (D) Chi-square test
026. In UNICEF's GOBI FFF strategy, the O stands for  
 (A) Oral contraceptives (B) Obesity  
 (C) Oral rehydration therapy (D) Occupational hazard
027. The half life of digoxin is  
 (A) 24 hours  (B) 40 hours  
 (C) 72 hours (D) 60 hours
028. In a middle aged diabetes with CKD stage 5 which of the following can be given without altering the dose  
 (A) vildagliptin  (B) linagliptin  
 (C) saxagliptin (D) sitagliptin
029. The following antihypertensive class is avoided in patients with gout  
 (A) ACE inhibitors (B) Betablockers  
 (C) Calcium channel blockers (D) Thiazide diuretics
030. Prolonged treatment with isoniazid leads to deficiency of  
 (A) thiamine  (B) pyridoxine  
 (C) pantothenic acid (D) niacin
031. In renal failure patients, metformin increases the risk of lactic acidosis. Metformin can be safely initiated when eGFR is  
 (A) >45ml/min/1.73m<sup>2</sup> (B) >30ml/min/1.73m<sup>2</sup>  
 (C) >20ml/min/1.73m<sup>2</sup> (D) >15ml/min/1.73m<sup>2</sup>
032. Mycobacteria is acid fast due to the presence of  
 (A) Mycolic acid in cell wall (B) Muramic acid in cell wall  
 (C) Polysaccharide capsule (D) None of the above
033. A 19yr old male consumed food from a restaurant, 3hrs later he developed nausea, vomiting and four episodes of loose stools . The most likely etiological organism is  
 (A) Vibrio cholerae (B) Salmonella  
 (C) E.coli (D) Staphylococcus aureus
034. The accepted threshold of bacteriuria to meet the definition of catheter associated urinary tract infection is  
 (A) >100 CFU/ml  (B) >1000 CFU/ml  
 (C) >10000 CFU/ml (D) >100000 CFU/ml
035. HIV affects CD4 cells by interacting with the protein  
 (A) gp120 (B) gp41  
 (C) CCR5 (D) CXCR4

036. Which hepatitis virus shows maximum chronicity  
 (A) hepatitis A (B) hepatitis C  
 (C) hepatitis B (D) hepatitis E
037. The most common chromosomal disorder is  
 (A) turners syndrome (B) downs syndrome  
 (C) peters syndrome (D) Edward syndrome
038. The most common cause of fat embolism is  
 (A) head and neck surgery (B) trauma to bones  
 (C) malignant tumors (D) angiography
039. The most common cause of nephrotic syndrome in adults is  
 (A) membranoproliferative glomerulonephritis  
 (B) minimal change disease  
 (C) acute glomerulonephritis  
 (D) focal segmental glomerulosclerosis
040. Graft versus host disease is common with which of the following transplantations  
 (A) liver (B) corneal  
 (C) hematopoietic stem cell (D) renal
041. A diabetic patient with chronic renal failure is on hemodialysis. Aspiration from knee joint will show  
 (A) beta 2 microglobulin (B) AA  
 (C) AL (D) AB
042. Which of the following is considered as the hallmark pathology in multiple sclerosis?  
 (A) Inflammation (B) Demyelination  
 (C) Gliosis (D) Neuronal loss
043. Which of the following is not a feature of thrombotic thrombocytopenic purpura?  
 (A) hemolytic anemia (B) focal neurological deficit  
 (C) venous thrombo embolism (D) elevated serum creatinine
044. Which of the following is the least likely clinical characteristic of multiple sclerosis?  
 (A) Bladder dysfunction (B) Epilepsy  
 (C) Weakness (D) Ataxia
045. In progressive multifocal leukoencephalopathy, which of the following is not involved?  
 (A) Cerebellum (B) Midbrain  
 (C) Spinal cord (D) Frontal cortex
046. Which of the following is false about the subtypes of guillain barre syndrome ?  
 (A) Acute inflammatory demyelinating polyneuropathy – more common in adults than in children  
 (B) Acute motor axonal neuropathy – first attack at nodes of ranvier  
 (C) Acute motor sensory axonal neuropathy – recovery is rapid and complete  
 (D) Miller fisher syndrome- characterized by ophthalmoplegia ataxia and areflexia

047. Which of the following is not seen in a patient of generalized tonic clonic seizure?  
 (A) Aura  (B) Ictal cry  
 (C) Versive head turning  (D) Urinary incontinence
048. All of the following are correct regarding Friedrich ataxia except  
 (A) Increased GAA repeats in chromosome 9  
 (B) It is a predominantly autosomal dominant ataxia  
 (C) It is associated with optic atrophy  
 (D) Most affected individuals develop pes cavus and kyphoscoliosis
049. A patient with alzheimers disease is known to have neurofibrillary tangle formation. The area likely where it is formed is  
 (A) Area of visual association  (B) Entorhinal cortex  
 (C) Cuneal gyrus  (D) Lateral geniculate nucleus
050. Which of the following autonomic disturbance is most common in guillain barre syndrome?  
 (A) Postural hypotension  (B) Diarrhea  
 (C) Headache  (D) Postural hypertension
051. Albumin cytological dissociation seen in a CSF sample is characteristic of  
 (A) Pseudotumor cerebri  (B) Multiple sclerosis  
 (C) Guillian barre syndrome  (D) SAH
052. Which of the following is not an indication for bone marrow biopsy in hodgkins lymphoma?  
 (A) HIV positive  (B) Presence of b symptoms  
 (C) Stage III and IV disease  (D) Age > 45yrs
053. Which of the following indicates Philadelphia chromosome ?  
 (A) t(9,22)[q32;q11]  (B) t(9,22)[q34;q11]  
 (C) t(8,22)[q32;q11]  (D) t(8,22)[q34;q11]
054. Which is the most common non hodgkins lymphoma in adults ?  
 (A) Follicular lymphoma  (B) Diffuse large b cell lymphoma  
 (C) Burkitts lymphoma  (D) Mantle cell lymphoma
055. Which of the following is termed as burkitts leukemia ?  
 (A) Acute lymphoblastic lymphoma  (B) L1 - Acute lymphoblastic lymphoma  
 (C) L2- Acute lymphoblastic lymphoma  (D) L3- Acute lymphoblastic lymphoma
056. Which of the following is not associated with drug induced immune hemolytic anemia ?  
 (A) Rifampicin  (B) Methyldopa  
 (C) Pyrazinamide  (D) Quinidine
057. Which of the following does not cause papulosquamous leions?  
 (A) Psoriasis  (B) Secondary syphilis  
 (C) Mycosis fungoides  (D) Basal cell carcinoma
058. Which of the following statements regarding the pathophysiology of psoriasis is incorrect?  
 (A) Hyperproliferation of epidermis  (B) Genetic predisposition HLA -C:06:02  
 (C) Deficient Th1 and Th17 helper cells  (D) IFN -gamma TNF and IL17 are raised

059. All are true about psoriasis except  
 (A) Inflammatory, non infectious disease       (B) Nail pitting is superficial and regular  
 (C) Joint involvement in 5-30%      (D) Koebner's phenomenon
060. Which of the following cannot be considered as a primary skin lesion?  
 (A) Wheal      (B) Vesicle  
 (C) Purpura       (D) Excoriation
061. Which of the following is a flat circumscribed non palpable lesion of less than 1cm in diameter?  
 (A) Macule      (B) Patch  
 (C) Nodule      (D) Vesicle
062. All of the following are contributions by sigmond freud except  
 (A) Free association      (B) Introducing cocaine in psychiatry  
 (C) Psychodynamic theory       (D) Psychosocial theory
063. The kubler ross model of death does not include  
 (A) Depression      (B) Bargain  
 (C) Withdrawal      (D) Anger
064. All of the following are indication for electroconvulsive therapy except  
 (A) Increased intracranial tension      (B) Catatonic schizophrenia  
 (C) Severe depression      (D) Neuroleptic malignant syndrome
065. Which of the following is not a feature of dementia?  
 (A) Insidious onset progressive downhill course  
 (B) Altered consciousness  
 (C) Depressed mood  
 (D) Immediate recall is impaired
066. Which of the following is reversible cause of dementia?  
 (A) Vascular dementia      (B) Alzheimers disease  
 (C) Hydrocephalus      (D) Huntingtons chorea
067. 35 yr old HIV positive male has been diagnosed with pneumocystis jiroveci pneumonia, primary prophylaxis for this condition is recommended to be started at CD4 T cell count of  
 (A) <150/ul       (B) <200/ul  
 (C) <250/ul      (D) <500/ul
068. Diagnostic test for tuberculosis in HIV positive people is  
 (A) Cartidge based nucleic acid amplification test (cbnaat)  
 (B) Sputum microscopy & AFB Staining  
 (C) Interferon gamma release assay  
 (D) Line immunoassay
069. The most frequent and important symptom of early congenital syphilis is  
 (A) Vesicular bullous lesion      (B) Hutchinson's teeth  
 (C) Rhinitis      (D) Interstitial keratitis

070. Which is the earliest sensation to be lost in leprosy  
 (A) Pain (B) Temperature  
 (C) Fine touch (D) Pressure touch
071. Progressive multifocal leukoencephalopathy is caused by  
 (A) Bk virus (B) JC virus  
 (C) SV 40 (D) Parvovirus B19
072. Which of the following routes of administration of poison leads to the most rapid onset of action?  
 (A) Intravenous injection (B) Application to mucosal surface  
 (C) Inhalation of gaseous form (D) Transdermal application
073. The most accurate indicator to assess potential toxicity in organophosphate poisoning is  
 (A) Plasma cholinesterase (B) RBC cholinesterase  
 (C) Serum level of OPC (D) Urinary level of OPC
074. Mc Ewans sign is a characteristic of  
 (A) Opium toxicity (B) Datura toxicity  
 (C) Barbiturate toxicity (D) Ethanol toxicity
075. Drug of choice for cyanide toxicity  
 (A) Sodium bicarbonate (B) Potassium nitrite  
 (C) Dicobalt EDTA (D) Sodium nitrite
076. Endoscopy should ideally be performed after \_\_\_\_\_ hours after caustic esophageal injury  
 (A) 12 (B) 36  
 (C) 48 (D) 72
077. Brugada syndrome is associated with  
 (A) Left bundle branch block (B) Right bundle branch block  
 (C) Left anterior fascicular block (D) Left posterior fascicular block
078. In symptomatic cases of mitral stenosis, valvulotomy is indicated in  
 (A) Mitral orifice is less than 1.5 cm (B) Mitral orifice is less than 0.8 cm  
 (C) Mitral orifice is less than 1 cm (D) In all patients who are symptomatic
079. Which of the following clinical manifestation of infective endocarditis is not immune mediated  
 (A) Osler nodes (B) Janeway lesions  
 (C) Roths spots (D) Glomerulonephritis
080. 80 year old male patient complaints of headache and dizziness. His ambulatory BP was around 150/74 mm Hg on multiple occasions. He is likely to be diagnosed with \_\_\_\_\_ as per European Society of Cardiology Guidelines  
 (A) Grade 1 Hypertension (B) Grade 2 Hypertension  
 (C) Isolated systolic hypertension (D) Secondary hypertension
081. Fibrinolytic agent for MI with most fibrin specificity is  
 (A) Streptokinase (B) Tenecteplase  
 (C) Alteplase (D) Reteplase



082. Which of the following manouevres decrease the murmur of hypertrophic cardiomyopathy  
 (A) Valsalva (B) Squatting  
 (C) Standing (D) Exercise
083. Dallas criteria for diagnosis of myocarditis is based on  
 (A) ECHO features (B) Clinical features  
 (C) Endomyocardial biopsy features (D) All of the above
084. Which is the gold standard investigation for assessing left ventricular mass and volume  
 (A) Transesophageal ECHO (B) Cardiac MRI  
 (C) Ventriculography (D) Trans thoracic ECHO
085. In pulmonary hypertension mean pulmonary arterial pressure is  
 (A) > 25 mmHg (B) > 32 mmHg  
 (C) >20 mmHg (D) >38 mm Hg
086. Coronary arterial dominance is based on the origin of which of the following artery  
 (A) Posterior descending artery (B) Sinoatrial nodal artery  
 (C) Conus artery (D) Atrioventricular nodal artery
087. In autosomal dominant polycystic kidney disease, cysts are least likely to be found in which of the following organs  
 (A) arachnoid (B) lungs  
 (C) pancreas (D) seminal vesicles
088. Anuria is defined as urine output less than  
 (A) 50 ml/day (B) 70 ml/day  
 (C) 80 ml/day (D) 100 ml/day
089. Non oliguric renal failure is most likely to be associated with  
 (A) aminoglycoside toxicity (B) contrast induced nephropathy  
 (C) congestive heart failure (D) post streptococcal glomerulonephritis
090. A patient of chronic kidney disease develops convulsions. The most likely cause is  
 (A) hypokalemia (B) hyperkalemia  
 (C) hypercalcemia (D) water intoxication
091. A 9 year old child develops hematuria after 2 days of diarrhea. Peripheral smear shows fragmented RBCs and thrombocytopenia. Ultrasound reveals enlargement of both kidneys. The likely diagnosis is  
 (A) renal vein thrombosis (B) acute pyelonephritis  
 (C) hemolytic uremic syndrome (D) disseminated intravascular coagulation
092. Cryoprecipitate has all the following components except  
 (A) Factor VIII (B) Von willebrand factor  
 (C) Fibrinogen (D) Factor IX
093. Most common cause of stroke in young women in India among OCP users  
 (A) Cortical vein thrombosis (B) Moyamoya disease  
 (C) Atherosclerosis (D) Hypertension

094. All are features of Wilson's disease except  
 (A) Hemolytic anemia (B) Dystonia  
 (C) Testicular atrophy (D) Chronic active hepatitis
095. The most severe form of complication associated with diabetic ketoacidosis seen especially in children is  
 (A) Acute Respiratory Distress Syndrome (B) Venous thrombosis  
 (C) Cerebral edema (D) Acute gastric dilatation
096. The method of investigation with the highest sensitivity and specificity in the diagnosis of pheochromocytoma is  
 (A) MRI  (B) 24 hour urinary fractionated metanephrines  
 (C) MIBG scintigraphy (D) Fractionated plasma metanephrines
097. Which among the following is true about alcoholic cirrhosis  
 (A) micronodular (B) macronodular  
 (C) mixed micro and macro nodular (D) none of the above
098. Most specific marker for chronic alcoholism is  
 (A) Carbohydrate Deficient Transferrin [CDT]  
 (B) Gamma glutamyl transferase  
 (C) SGOT  
 (D) SGPT
099. Councilman bodies are seen in  
 (A) Wilson disease (B) Alcoholic hepatitis  
 (C) Acute viral hepatitis (D) Auto immune hepatitis
100. All the following are factors affecting liver disease progression in chronic hepatitis C except.  
 (A) age (B) duration of infection  
 (C) HCV RNA level (D) body mass index
101. Marked elevation of serum transaminases >300U/L is seen in all except  
 (A) drug induced hepatitis (B) acute viral hepatitis  
 (C) ischemic liver  (D) hemochromatosis
102. If the liver function test is suggestive of cholestasis, the next test to be done is  
 (A) Ultrasound scan (B) ERCP  
 (C) MRCP (D) Bromsulphthalein test
103. The time between onset of jaundice to onset of encephalopathy is termed hyperacute liver failure when duration is upto  
 (A) 3 days  (B) 7 days  
 (C) 10 days (D) 14 days
104. Model for end stage liver disease [MELD] score includes the following parameter except  
 (A) Bilirubin (B) Creatinine  
 (C) Prothrombin time  (D) Albumin

105. Which of the following factors doesn't predict the risk of bleeding of varices  
 (A) Location of the varix (B) Number of varix  
 (C) Size of the varix (D) Severity of cirrhosis
106. 60 year old chronic smoker with history of intermittent crampy lower abdominal pain and episodic diarrhea progressively worsening since 2 weeks – examination showed tenderness in the right iliac fossa and a guaiac positive test, possible diagnosis is  
 (A) Ulcerative colitis (B) Diverticulitis  
 (C) Crohns disease (D) Irritable bowel syndrome
107. The earliest radiologic change seen in barium enema in ulcerative colitis is  
 (A) fine mucosal granularity (B) string sign  
 (C) stricture (D) collar button ulcer
108. All are true regarding plummer vinson syndrome except  
 (A) Esophageal webs are present (B) Premalignant condition  
 (C) Common in elderly males (D) Associated with iron deficiency anemia
109. Steatorrhea is defined as  
 (A) 24 hour fecal fat excretion >14% of daily dietary fat intake  
 (B) Fecal fat excretion >7g/24 hours  
 (C) 72 hour fecal fat excretion >14g / 24 hour  
 (D) Fecal fat excretion >14g/24 hour
110. Eradication of infection by anti h pylori antibiotics is determined by  
 (A) Elisa (B) Urea breath test  
 (C) Biopsy urease test (D) Culture
111. All the following are true regarding emphysematous cholecystitis except  
 (A) Common in elderly (B) Caused by clostridium welchii  
 (C) Diabetes is a risk factor (D) Medical management is the choice
112. The most cardiac manifestations of sle  
 (A) Pericarditis (B) Myocarditis  
 (C) Libman sack endocarditis (D) Myocardial infarction
113. The most common clinical feature of acute rheumatic fever is  
 (A) Carditis (B) Polyarthritits  
 (C) Chorea (D) Subcutaneous nodules
114. The most common abnormality of liver function in sarcoidosis is  
 (A) elevation of transaminases (B) elevation of alkaline phosphatase  
 (C) coagulopathy (D) elevated bilirubin
115. Anti hypertensive of choice in patient with gout is  
 (A) amlodipine (B) losartan  
 (C) atenolol (D) thiazide diuretic
116. Most common extraglandular manifestation of sjogrens syndrome is  
 (A) arthritis (B) vasculitis  
 (C) renal tubular acidosis (D) primary biliary cirrhosis

117. The targeted TSH level to be maintained in the first trimester of pregnancy in the course of treatment of hyperthyroidism is  
 (A) <3.0 mIU/L (B) <2.5 mIU/L  
 (C) <3.5 mIU/L (D) <4.0 mIU/L
118. A 45 year old man is diagnosed with type 2 Diabetes Mellitus for the first time. When should he visit an ophthalmologist  
 (A) within 1 year of presentation (B) immediately at the time of diagnosis  
 (C) after 5 years of presentation (D) when symptoms of vision loss begin to occur
119. As per the WHO classification obesity class 1 falls under \_\_\_\_\_ range of BMI  
 (A) 25 - 29.9 (B) 30 - 34.9  
 (C) 35 - 39.9 (D) >= 40
120. Anti thyroid drug to be used in early gestation is  
 (A) Propyl thiouracil (B) Methimazole  
 (C) Carbimazole (D) Radio iodine
121. Which of the following characteristics are associated with primary hyperparathyroidism  
 (A) Gall stone (B) Recurrent abortion  
 (C) Hypotension (D) Neuro psychiatric changes
122. All of the following characteristics are observed with growth hormone deficiency except  
 (A) Hyper glycaemia (B) Stunting  
 (C) Delayed bone age (D) High pitched voice
123. Which drug is very essential in the treatment of Sheehan syndrome  
 (A) Estrogen (B) Growth Hormone  
 (C) Thyroxine (D) Cortisone
124. The most common cause of cushings syndrome is  
 (A) Pituitary adenoma (B) Adrenal adenoma  
 (C) Ectopic ACTH (D) Iatrogenic corticosteroids
125. IPC Section 84 includes which of the following  
 (A) Child under 7 years is not liable for act  
 (B) Act of person of unsound mind is not liable  
 (C) Act under involuntary intoxication is not liable  
 (D) Act under voluntary intoxication is liable
126. In suspected anaphylactic deaths the enzyme which is of diagnostic value during autopsy is  
 (A) Amylase (B) Lactase  
 (C) Chymase (D) Tryptase
127. Which of the following vitamins is most important in preventing free radical injury  
 (A) Vitamin A (B) Vitamin E  
 (C) Vitamin K (D) Vitamin D
128. A person is nervous about a situation and is breathing rapidly, What do you expect  
 (A) Metabolic acidosis (B) Metabolic alkalosis  
 (C) Respiratory acidosis (D) Respiratory alkalosis

129. A 40 year old male received 5 pints of packed RBC after polytrauma. What ABG finding do you expect in this patient  
 (A) Metabolic acidosis (B) Metabolic alkalosis  
 (C) Respiratory Acidosis (D) Respiratory alkalosis
130. Clinical criteria for brain death include all except  
 (A) Absent spinal cord reflex (B) Absent motor activity  
 (C) Absent brain stem reflex (D) Coma
131. Which is the drug of choice for atypical absence seizures  
 (A) Valproate (B) Phenytoin  
 (C) Levitiracetam (D) Zonisamide
132. A patient will not shed the infectious organism in  
 (A) Latent infection (B) Convalescent carrier state  
 (C) Subclinical infection (D) Healthy carrier state
133. A newborn is HIV + and symptomatic, Which of the following vaccines must not be given  
 (A) Measles (B) IPV  
 (C) BCG (D) Mumps
134. According to WHO a confirmed laboratory case of swine flu is defined by all of the following test except  
 (A) Real time PCR  
 (B) Viral culture  
 (C) Four fold rise in virus specific neutralizing antibodies  
 (D) ELISA
135. Next step in management of smear positive but no significant finding on a chest x ray of a TB presumptive patient is  
 (A) Repeat sputum smear (B) Do CBNAAT  
 (C) Start ATT (D) Repeat chest x ray
136. Which of the following is not a component of Swacch Bharat Abhiyan  
 (A) Water pollution  
 (B) Solid waste management  
 (C) Household toilets and public toilets  
 (D) Information Education And Communication And public awareness
137. Recommended protein intake (high quality) for an adult male is  
 (A) 0.63 g/Kg/day (B) 0.83 g/kg/day  
 (C) 1.2 g/Kg/day (D) 1.4 g/Kg/day
138. In order to provide high quality CPR rate of chest compression in a minute is  
 (A) 60 - 80 (B) 80 - 100  
 (C) 100 - 120 (D) 120 - 140
139. Which test is performed to detect reversible myocardial ischemia  
 (A) Coronary angiogram (B) MUGA scan  
 (C) Thallium Scan (D) Resting ECHO

140. A patient presents with cutaneous vasculitis, glomerulonephritis and peripheral neuropathy. Which investigation is to be performed next to diagnose the condition  
 (A) ANCA  (B) RA factor  
 (C) HbsAg  (D) MIF
141. Which is the characteristic pattern in Brown Sequard Syndrome  
 (A) Contralateral loss of joint sense  
 (B) Contralateral loss of pain  
 (C) Ipsilateral loss of complete sensory function  
 (D) Contralateral loss of motor function
142. Which is the false statement regarding intrinsic asthma  
 (A) normal IgE level  
 (B) usually have an early onset of asthma  
 (C) commonly have a concomitant nasal polyp  
 (D) negative skin test for common inhalant allergen
143. 30 year old male presents with diarrhoea, confusion, high grade fever, bilateral pneumonitis. Which is the suspected pathogen  
 (A) Legionella  (B) Pneumocystis carinii  
 (C) Streptococcus pneumonia  (D) Hemophilus influenza
144. Interstitial lung disease due to inorganic dust which predominately affects lower zone of lungs  
 (A) Silicosis  (B) Berylliosis  
 (C) Asbestosis  (D) Coal workers pneumoconiosis
145. In cystic fibrosis patient which of the following will be decreased  
 (A) Stool fat  (B) Sweat chloride  
 (C) Serum bicarbonate level  (D) Sperm count
146. Most common cause of lung abscess  
 (A) Pneumonia  (B) Tuberculosis  
 (C) Aspirated oropharyngeal secretions  (D) Hematogenous
147. 30 year old man with previous history of seizures visits medicine OPD requesting medication to quit smoking. Which is the ideal drug for this patient  
 (A) Bupropione  (B) Clonidine  
 (C) Varenicline  (D) Nortryptilline
148. The primary cause for hypercalcemia in lung cancer is  
 (A) Tumour lysis syndrome  (B) PTH related peptide  
 (C) Cavitatory lung tumour  (D) Lytic bone metastases
149. Which of the following predominantly involves the upper lobe of lung  
 (A) Ankylosing spondylitis  (B) Asbestosis  
 (C) Scleroderma  (D) rheumatoid arthritis
150. Which among the following ocular manifestation is most common in sarcoidosis  
 (A) Scleritis  (B) Episcleritis  
 (C) Anterior uveitis  (D) Optic neuritis

151. The recommended mechanical ventilator setting for management of ARDS is  
 (A) High tidal volume And high PEEP       (B) Low tidal volume and High PEEP  
 (C) Low tidal volume low PEEP      (D) High tidal volume Low PEEP
152. Kussmaul sign is key to diagnosing which of the following  
 (A) Dilated Cardiomyopathy      (B) Hypertrophic cardiomyopathy  
 (C) Restricted cardiomyopathy      (D) MI
153. Lacunar syndromes are caused by  
 (A) Emboli of small vessels      (B) Thrombosis of large vessels  
 (C) Lipohyalinosis of penetrating arteries      (D) Hemorrhagic stroke
154. MCA stem occlusion can be distinguished from Anterior choroidal artery lesion by presence of  
 (A) Aphasia      (B) Contralateral Hemiplegia  
 (C) Hemianesthesia      (D) Homonymous hemianopia
155. NSAID having the lowest plasma half life is  
 (A) Aspirin      (B) Piroxicam  
 (C) Phenylbutazone      (D) Ibuprofen
156. Which of the following vessels most often compresses the trigeminal nerve causing trigeminal neuralgia ?  
 (A) superior cerebral artery      (B) inferior cerebral artery  
 (C) superior cerebellar artery      (D) inferior cerebellar artery
157. A 23yr old is a known diabetic patient on oral hypoglycemic agent over past 3 yrs. He has lost his weight and has never had diabetic ketoacidosis. His father and grandfather were both diabetic. Most likely diagnosis is  
 (A) MODY      (B) Pancreatic diabetes  
 (C) T1 DM      (D) T2DM
158. Insulin resistance is said to have occurred when the required insulin dosage is?  
 (A) >200 units per day      (B) >100 units per day  
 (C) >150 units per day      (D) >300 units per day
159. The criteria for diagnosis of typical Kawasaki disease does not include  
 (A) cervical lymphadenopathy       (B) purulent conjunctivitis  
 (C) acral edema and desquamation      (D) polymorphous rash
160. The drug of choice for treatment of falciparum malaria in northeast states of india is  
 (A) Mefloquine      (B) Artesunate + Sulphadoxine + pyrimethamine  
 (C) Artemether + lumifantrine      (D) Doxycycline
161. Prophylactic platelet transfusion in dengue is to be initiated if platelet count is  
 (A) < 3000/mm<sup>3</sup>      (B) < 20000/mm<sup>3</sup>  
 (C) <10000/mm<sup>3</sup>      (D) <8000/mm<sup>3</sup>
162. Which the following is a small vessel vasculitis?  
 (A) polyarteritis nodosa       (B) microscopic polyangitis  
 (C) giant cell vasculitis      (D) takayasu disease

163. A scleroderma patient presents with renal crisis the drug of choice is ?  
 (A) beta blocker (B) ACE inhibitor  
 (C) diuretics (D) calcium channel blocker
164. The most common cause of death in patients with rheumatoid arthritis ?  
 (A) interstitial lung disease (B) coronary artery disease  
 (C) secondary infections (D) stroke
165. The best mode of treatment for hemochromatosis is  
 (A) phlebotomy (B) deferoxamine  
 (C) deferasirox (D) reduction in dietary iron
166. Which of the following is not a symptom of tension headache?  
 (A) chronicity (B) bilaterality  
 (C) tight band like discomfort (D) nausea
167. The conus syndrome differs from the cauda equina syndrome in that the former shows  
 (A) radicular pain (B) lower motor neuron injury  
 (C) symmetric weakness of lower limbs (D) urinary retention
168. 60yr old male presented with parkinsonism and cerebellar features .mri shows hot cross bun sign most likely diagnosis is  
 (A) drug induced parkinsonism (B) multiple system atrophy  
 (C) dementia pugilistica (D) progressive supranuclear palsy
169. Which of the following is not a characteristic feature of obstructive pulmonary disease.  
 (A) normal residual volume (B) decreased FEV  
 (C) normal vital capacity (D) decreased FEV1/FVC
170. The treatment of choice for chronicmyeloid leukemia (CML) is  
 (A) Allogenic hematopoeitic stem celltransplantation  
 (B) Monoclonal antibody against complementprotein C5  
 (C) Tyrosine kinase inhibitor  
 (D) Janus kinase inhibitors
171. In which of the following indication is oxygen therapy most beneficial provided lung function is normal  
 (A) anemia (B) copd  
 (C) cyanide poisoning (D) high altitude
172. A female patient presents with history of painless ulcer on vagina and later developed painful lymph nodes. What is the diagnosis?  
 (A) chancroid (B) lymphogranuloma venerum  
 (C) donovanosis (D) gonorrhea
173. Tripe palms / acanthosis Palmaris alone is most commonly associated with which internal malignancy  
 (A) lung cancer (B) gastric carcinoma  
 (C) breast carcinoma (D) colon cancer



174. Which of the following is not observed in anorexia nervosa?  
 (A) weight is normal (B) electrolyte disturbances are present  
 (C) seen in early adolescence (D) amenorrhoea is common
175. Infarcts involving which portion of the myocardium cause aneurysm as a post MI complication?  
 (A) subendocardial (B) anterior transmural  
 (C) posterior transmural (D) inferior wall
176. Which of the following is the principal imaging test for the diagnosis of pulmonary embolism?  
 (A) ECHO (B) CT chest with contrast  
 (C) ventilation perfusion scanning of lung (D) MR pulmonary angiography
177. Heart failure with reduced ejection fraction is ejection fraction less than or equal to  
 (A) 30% (B) 40%  
 (C) 50% (D) 45%
178. Which is correct about syndrome of inappropriate antidiuretic hormone secretion ?  
 (A) euvolemic hyponatremia (B) euvolemic hypernatremia  
 (C) hypervolemic hypernatremia (D) hypervolemic hyponatremia
179. In the iceberg patten of disease, which doesn't represent the submerged portion of the iceberg?  
 (A) presymptomatic cases (B) carriers and latent cases  
 (C) diagnosed cases under treatment (D) undiagnosed cases
180. For prevention of human rabies, immediate flushing and washing the wound with plenty of soap and water should be done under running tap water for  
 (A) 5 min (B) 10 min  
 (C) 15 min (D) 3 min
181. Exposure to which of the following fluids will require post exposure prophylaxis in HIV ?  
 (A) urine (B) tears  
 (C) sweat (D) menstrual blood
182. Which of the following is associated with tuberculosis?  
 (A) asbestosis (B) silicosis  
 (C) anthrocosis (D) siderosis
183. Hemophilia is a condition seen only in males. It is transmitted as  
 (A) X linked recessive (B) Y linked recessive  
 (C) X linked dominant (D) autosomal recessive
184. Thrombopoietin receptor agonist approved for the treatment of thrombocytopenia with chronic liver disease who are scheduled to undergo a medical or dental procedure is  
 (A) Eltrombopag (B) Romiplostim  
 (C) Oprelvekin (D) Avatrombopag
185. The monoclonal antibody approved for use in HIV-1 is:  
 (A) Ixekizumab (B) Ibalizumab  
 (C) Ldarucizumab (D) Ipilimumab
186. Which of the following is not used for managing pulmonary hypertension ?  
 (A) phosphodiesterase type 5 inhibiotr (B) prostanoids  
 (C) ACE inhibitor (D) endothelin receptor antagonist

187. In cirrhosis of liver, the collagen is laid down by  
 (A) hepatocytes (B) hepatic stellate cells  
 (C) biliary endothelial cells (D) kupffer cells
188. Brocas area is situated in  
 (A) angular gyrus (B) superior temporal gyrus  
 (C) posterior central gyrus (D) inferior frontal gyrus
189. All are features of Hybernemia except  
 (A) Convulsions (B) Decrease brain volume  
 (C) Periodic paralysis (D) Doughy skin
190. The most common presentation of Heparin Induced Thrombocytosis is  
 (A) bleeding (B) venous thrombosis  
 (C) skin necrosis (D) arterial thrombosis
191. Which antitubercular drug causes hypothyroidism?  
 (A) streptomycin (B) ethambutol  
 (C) rifampicin (D) ethionamide
192. True regarding CURB 65 is all except  
 (A) confused state (B) RR > 30/min  
 (C) blood urea nitrogen > 7 mmol/L (D) SBP < 100mmhg
193. Disappearance of loud S1 in a mitral stenosis occurs in all except  
 (A) calcified valve (B) mild MS  
 (C) aortic regurgitation (D) first degree heart block
194. Which of the following feature of stroke need not be treated?  
 (A) dysphagia (B) spasticity  
 (C) fever (D) neglect
195. Which of the following is the side effect of steroids due to its mineralocorticoid action ?  
 (A) skin striae (B) hypertension  
 (C) osteoporosis (D) moon face
196. Which of the following murmurs increase with valsalva maneuver?  
 (A) mitral regurgitation (B) ventricular septal defect  
 (C) aortic stenosis (D) hcm
197. According to modified Duke criteria for the diagnosis of infective endocarditis, a single positive blood culture is included in the major criteria for which organism ?  
 (A) coagulase negative staphylococcus aureus  
 (B) coxiella burnetii  
 (C) bartonella  
 (D) brucella
198. Which is the most common site of metastasis of lung cancer?  
 (A) liver (B) breasts  
 (C) bone (D) nervous system

199. Continuous renal replacement therapy (CRRT) is preferred in patients with
- (A) severe hypotension
  - (B) hyperkalemia
  - (C) metabolic acidosis
  - (D) uremic symptoms
200. Which of the following is not true about pseudobulbar palsy ?
- (A) Dysarthria
  - (B) Dysphagia
  - (C) Depressed jaw jerk
  - (D) Dysphonia