

**Question Booklet Series – B**

**Booklet No.:-**

**DO NOT OPEN THIS BOOKLET UNTIL TOLD TO DO SO**

**IMO GR-II**

**Time Allowed : 2 Hrs.**

**Questions : 1–200**

**Roll No.:** .....

**OMR Sheet No. :** .....

**Name of the Candidate :** .....  
**(IN CAPITAL LETTERS)**

(Signature of the Candidate) : .....

Signature of the Invigilator) : .....

**READ THE FOLLOWING INSTRUCTIONS CAREFULLY  
BEFORE WRITING ANYTHING ON THIS BOOKLET**

1. Before commencing to answer, check that the Question Booklet has all the 200 questions and there is no misprinting, overprinting and/or any other shortcoming in it. If there is any shortcoming, intimate the same to your room invigilator and have it changed. Immediately after the commencement of the examination, you should check that this test booklet does not have any unprinted or torn or missing pages or items, etc. If so, get it replaced by a complete test booklet.
2. **Use Blue/Black Ball Point Pen** for all your work on the OMR Answer Sheet. The ovals on the OMR Answer Sheet are to be completely filled by **Blue/Black Ball Point Pen only. ANSWERS ONCE GIVEN CAN NOT BE CHANGED.**
3. This is an objective type test in which each objective question is followed by four responses serialled **(a) to (d)**. Your task is to choose the correct/best response and mark your response in the OMR Answer Sheet and NOT in the Question Booklet.
4. **There shall be no negative marking for wrong answer.**
5. **All questions are compulsory. Each question carries equal mark.**
6. **DO NOT scribble or do rough work or make any stray marks on the Answer Sheet. DO NOT wrinkle or fold or staple it.**
7. Answer sheet will be processed by Electronic means. Hence, invalidation of answer sheet resulting due to folding or putting stray marks on it or any damage to the answer sheet as well as incomplete/incorrect filling of the answer sheet will be the sole responsibility of the candidate.
8. Rough Work is to be done in the blank space provided for it in the booklet. No other paper will be allowed/provided.
9. Use of Calculators, Slide rules, Mobiles, calculator watches or any such devices and any other study/reference material is NOT allowed inside the examination hall.
10. Take care that you mark only one answer for each question. If more than one answer is given by you for any question, the same will not be evaluated. **Cutting/overwriting the answers are not allowed.**

1. **MAO inhibitors should not be used with?**
  - (a) Buprenorphine
  - (b) Pethidine
  - (c) Pentazocine
  - (d) Morphine
2. **Imatinib is useful in treatment of?**
  - (a) Neurofibromatosis
  - (b) CD117 positive GIST
  - (c) Neuroendocrine tumors of pancreas
  - (d) Breast ca
3. **Toxicity of Amphotericin B can be reduced by using?**
  - (a) Liquid preparation
  - (b) Granules
  - (c) Liposomal preparation
  - (d) Subcutaneously
4. **Which of the following form of steroid base is most potent?**
  - (a) Gel
  - (b) Lotion
  - (c) Ointment
  - (d) Cream
5. **Treatment of choice for patient with meningococcal meningitis who is allergic to penicillin?**
  - (a) Chloramphenicol
  - (b) Meropenam
  - (c) Linezolid
  - (d) Ticoplanin
6. **If a Patient receiving Linezolid therapy for 14 days, which of the following should be monitored?**
  - (a) Renal function tests
  - (b) Liver enzyme assessment
  - (c) Platelet monitoring
  - (d) Monitoring of Reflex
7. **Characteristic feature of apoptosis?**
  - (a) Cell membrane intact
  - (b) Cytoplasmic eosinophilia
  - (c) Nuclear moulding
  - (d) Cell swelling
8. **Following are Granulomatous vasculitis except?**
  - (a) Churg straus disease
  - (b) Takayasu's arteritis
  - (c) Wegener's granulomatosis
  - (d) Burger's disease
9. **Bronchiectasis is most common in which lobe–**
  - (a) Right upper lobe
  - (b) Right middle lobe
  - (c) Left upper lobe
  - (d) Left lower lobe
10. **True about lung carcinoma?**
  - (a) More than 75% of lung cancers are squamous cell type
  - (b) Oat cell carcinoma frequently show cavitation
  - (c) Lung calcification is characteristically seen in oat cell carcinoma
  - (d) Oat cell carcinoma is commonly associated with bilateral hilar lymphadenopathy
11. **Not a cause of hemoptysis –**
  - (a) Pneumonia
  - (b) Bronchiectasis
  - (c) Empyema
  - (d) Mitral stenosis
12. **Rampal, 45 year old man presents with history of recurrent hemoptysis and purulent sputum. His chest X-Ray is normal, which of the following will be the next best investigation for him?**
  - (a) HRCT
  - (b) CT guided angiography
  - (c) Angiography
  - (d) Spiral CT
13. **Smoking is generally not associated as a risk factor with –**
  - (a) Small cell carcinoma
  - (b) Respiratory bronchiolitis
  - (c) Emphysema
  - (d) Bronchiolitis obliterans organizing pneumonia
14. **Which of the following collagen disorder is NOT commonly associated with pulmonary fibrosis–**
  - (a) SLE
  - (b) Progressive systemic sclerosis
  - (c) Dermatomyositis
  - (d) Rheumatoid arthritis
15. **Which of the following is not true about the autistic specific disorders?**
  - (a) Impaired communication
  - (b) Impaired imagination
  - (c) Language development is delayed
  - (d) Vision problems
16. **A school going boy was noted with vacant stare several times a day. There was no history of fever, seizures and neurological deterioration. What is the diagnosis?**
  - (a) Atonic seizures
  - (b) Absence seizures
  - (c) Myoclonic seizures
  - (d) School phobia

- 17. True about Wilson's disease?**
- Increase in urinary copper and increased serum ceruloplasmin and copper
  - Increase serum ceruloplasmin levels with increased urinary copper
  - Elevated hepatic copper level and increased serum ceruloplasmin levels
  - Increase in urinary copper and decreased serum ceruloplasmin
- 18. Most common cause of genital ulcer in a HIV patient?**
- Syphilis
  - Chlamydia
  - Herpes
  - Gonorrhoea
- 19. A 60 year old female was given anaesthesia for a prolonged surgery. After surgery she was extubated but was found to have poor respiration with BP of 100/80 mm of Hg. Blood analysis revealed PCO<sub>2</sub>=200 and the blood pH was 7.42. What is the diagnosis?**
- Respiratory failure
  - Intraoperative hypoxia
  - Incomplete recovery from muscle relaxants
  - None of these
- 20. Which of the following is not a Behaviour Therapy technique?**
- Flooding
  - Counter-transference
  - Counter-conditioning
  - Systematic desensitisation
- 21. Vaginal sphincter is formed by all except –**
- Internal urethral sphincter
  - External urethral sphincter
  - Pubovaginalis
  - Bulbospongiosus
- 22. Osteomeatal complex refers to –**
- Maxillary ostium, ethmoid infundibulum, hiatus semilunaris and frontal recess
  - Frontal recess, inferior meatus, sphenoid sinus
  - Hiatus semilunaris maxillary ostium, sphenoidal recess
  - None of the given options
- 23. Muscle spindle detects –**
- Tension
  - Length
  - Proprioception
  - Stretch
- 24. Which of the following is not true about idiopathic pulmonary Hemosiderosis –**
- Iron deficiency anemia
  - Eosinopenia
  - ↑ Bilirubin
  - ↑ Reticulocyte count
- 25. A truck driver has chronic cough with fever since one month. Chest x-ray show bilateral reticulonodular infiltrates in mid and lower zones. Which of the following is possible diagnosis?**
- Tuberculosis
  - ILD
  - Pneumococcal pneumonia
  - Pneumocystis carini pneumonia
- 26. All of the following conditions are observed in Gout. except –**
- Uric acid nephrolithiasis
  - Deficiency of enzyme Xanthine oxidase
  - Increase in serum urate concentration
  - Renal disease involving interstitial tissues
- 27. Most common organism associated with reactive arthritis is –**
- Staphylococcus
  - Shigella
  - Chlamydia
  - Yersinia
- 28. All of the following are true about Raynaud's disease except –**
- More common in females
  - Positive antinuclear antibodies
  - Most common cause of Raynaud's phenomenon
  - Has good prognosis
- 29. The following condition is not associated with an increased anion-gap type of metabolic acidosis-**
- Shock
  - Ingestion of antifreeze
  - Diabetic keto-acidosis
  - COPD
- 30. Positive urinary anion gap is found in –**
- Alcoholic ketoacidosis
  - Diabetic ketoacidosis
  - Renal tubular acidosis
  - Diarrhea
- 31. The cause for Resurgent malaria are following except?**
- Inadequate vector control
  - Mosquito mutations
  - Improper use of drug treatment
  - Increase in the number Plasmodium species

32. Which of the following disease is inherited only in males?
- Autosomal dominant
  - Autosomal recessive
  - X-linked dominant
  - X-linked recessive
33. True about antiphospholipid antibody syndrome include following:
- Bleeding
  - Thrombosis
  - Recurrent fetal loss
  - Autoimmune disease
34. Which of the following test should be first done in non-mismatch blood transfusion reaction?
- Direct Coomb's test
  - Indirect Coomb's test
  - Antibodies in donor's serum
  - Antibodies in recipient's serum
35. Beck's triad:
- Right Ventricular Infarction
  - Constrictive pericarditis
  - Restrictive Pericarditis
  - Cardiac Temponade
36. True about third heart sound?
- Heard due to contraction of right ventricle
  - Loud in ASD
  - Can be heard in constrictive pericarditis
  - Soft in cardiac temponade
37. Drugs used in management of migraine include the following except?
- Valproate
  - Ethosuximide
  - Topiramate
  - Verapamil
38. Serotonin syndrome caused by the following except:
- Chlorpromazine
  - Sumatriptan
  - TCA
  - RIMA
39. Pathology in motor neuron disease is at?
- Anterior horn cells
  - Posterior column tracts
  - NMJ
  - Peripheral nervous system
40. Brown tumor of bone is seen in?
- Hyperparathyroidism
  - Hypoparathyroidism
  - Hypothyroidism
  - Hyperthyroidism
41. Primary impact injury most commonly involves?
- Brain
  - Abdomen
  - Neck
  - Legs
42. The path of which of the following bullet can be followed after shot from gun?
- Incendiary bullet
  - Ricochet bullet
  - Tracer bullet
  - Tandem bullet
43. A 30 years old female married five years back died. Under which of following, autopsy of this patient should be conducted?
- CrPC 174
  - CrPC 176
  - CrPC 304
  - CrPC 306
44. Rural-urban difference is not seen with?
- Chronic bronchitis
  - Schizophrenia
  - Lung cancer
  - Tuberculosis
45. Mass immunization is indicated in the following except?
- Leprosy
  - Cholera
  - Influenza
  - Polio
46. "ASHA" stands for Accredited Social Health Activist:
- Accredited Social Health Activist
  - Appointed Social Health Activist
  - Advanced Social Health Activist
  - Attached Health Activist
47. JSY stands for?
- Janani Social Yojna
  - Jan Suchil Yojna
  - Janani Suraksha Yojna
  - Jan Sulab-sauchalay Yojna
48. Which of the following predisposes to atherosclerosis?
- Insulin deficiency
  - Hyperestrogenemia
  - Anaemia
  - Testosterone loss
49. The most common oncogenic human papiloma virus?
- HPV-16
  - HPV-18
  - HPV-31
  - HPV-33
50. Most important investigation in VVF?
- Three swab test
  - IVP
  - Cystoscopy
  - Vaginal culture

51. In a lady with threatened abortion, which of the following would not be useful with intact membrane?
- Antibiotic prophylaxis
  - Best rest
  - Analgesics
  - HCG monitoring
52. Which of the following is the best to assess endometrial cycle?
- Hormonal profile
  - Body temperature changes
  - Ferning test
  - Spinbarket pattern
53. Which of the following is not seen in human beings?
- Estrous cycle
  - Menstrual cycle
  - Endometrial cycle
  - Hormonal changes
54. A 18 year old patient presented with primary amenorrhea. On examination her breast and external genitalia are normal. She is most likely suffering from?
- MKH syndrome
  - Turner's syndrome
  - Noonan syndrome
  - Andogen insensitivity
55. PCOD predisposes to the following except?
- Increased risk of Ovarian cancer
  - Endometrial cancer
  - Insulin resistance
  - Osteoporosis
56. The 'a' wave of jugular venous pulse is produced by–
- Atrial relaxation
  - Atrial systole
  - Atrial diastole
  - Rapid venous filling
57. Calcium blocking agents of use in the treatment of hypertension include –
- Prazosin
  - Lidoflazine
  - Captopril
  - Nifedipine
58. Most important predictor of coronary artery disease–
- VLDL
  - LDL
  - Chylomicron
  - HDL
59. 'CURB-65' includes–
- PaO<sub>2</sub> less than 65 mm
  - Coagulopathy
  - Severe Azotemia
  - Base deficit (acidosis)
60. The agent of choice for controlling heparin induced bleeding is–
- Protamine sulphate
  - Injectable vitamin K
  - Whole blood
  - Fresh frozen plasma
61. Northern blotting is used for analysis of –
- DNA
  - RNA
  - Proteins
  - Polysaccharides
62. Rapid infusion of insulin causes –
- Hyperkalemia
  - Hypokalemia
  - Hypernatremia
  - Hyponatremia
63. Digitalis toxicity enhanced by A/E –
- Renal failure
  - Hyperkalemia
  - Hypercalcemia
  - Hypomagnesemia
64. Best Test for intestinal malabsorption –
- D-xylose test
  - NBT-PABA TEST
  - Fecal fatestimation
  - Schilling test
65. Plasma urea/creatinine ratio of 20:1 may be seen in –
- Rhabdomyolysis
  - Ureteric calculi
  - Pre-renal failure
  - Chronic glomerulonephritis
66. Low calcium and high phosphate is seen in –
- Hyperparathyroidism
  - Hypoparathyroidism
  - Hyperthyroidism
  - Hypothyroidism
67. The most effective contraceptive method recommended in lactating mothers is –
- Barrier method
  - Progesterone only pill
  - Oral contraceptive pills
  - Lactational amenorrhea
68. What is the drug of choice for emergency contraception?
- Yuzpe regimen (combined oral pill)
  - High dose oestrogen alone
  - Levonorgestrel only pill
  - Danazol

69. The most characteristic presentation of fallopian tube carcinoma is –
- Mass abdomen
  - Bleeding per vaginum
  - Excessive watery discharge per vaginum
  - Pain abdomen
70. Feto-maternal transfusion is detected by–
- Kleihauer test
  - Spectrophotometry
  - Benzidine test
  - Colorimetry
71. The drug used for medical management of ectopic pregnancy is:
- Methotrexate
  - Misoprostol
  - Mifepristone
  - Methyl ergometrine
72. Infants born to mothers who are heavy drinkers are at increased risk of which of the following problems?
- Mental retardation
  - Chronic liver disease
  - Excessive birthweight
  - Chorioretinitis
73. The estimated risk of uterine rupture in a woman with a previous lower segment uncomplicated cesarean section is approximately-
- 0.5–2%
  - 4–6%
  - 8–10%
  - 14–16%
74. Test for ovarian reserve–
- LH
  - LH/FSH ratio
  - FSH
  - Estradiol
75. Most common nerve involved in the fracture of surgical neck of humerus:
- Ulnar
  - Axillary
  - Median
  - Radial
76. In children, all are true except:
- Thick Periosteum
  - Soft Bones
  - Dislocations are rare
  - Comminuted fractures are common
77. Most common nerve involvement in Volkmann's is chronic contracture is:
- Ulnar nerve
  - Posterior interosseous nerve
  - Median nerve
  - Radial nerve
78. The principal steroid secreted by testis is –
- Testosterone
  - Dihydrotestosterone
  - Androstenidione
  - Dihydroepiandrosterone
79. Pacemaker regulating the rate of respiration –
- Pneumotaxic centre
  - Dorsal group of nucleus
  - Apneustic centre
  - Pre-Bötzinger Complex
80. Hot water bottle relieves pain of abdominal spasm by–
- Stimulation of adrenergic fibers
  - Stimulation of cholinergic fibers
  - Inhibition of cold receptors
  - Inhibition of heat receptors
81. Insulin secretion is inhibited by –
- Secretin
  - Epinephrine
  - Growth hormone
  - Gastrin
82. NO is synthesized by –
- Uracil
  - Aspartate
  - Guanosine
  - Arginine
83. A 55 year old overweight female was given Fentanyl-pancuronium-midazolam anaesthesia for a surgery. After surgery she was extubated and on examination her chest wall respiratory motion was slow and she was unable to move her upper body. She was conscious and able to understand what was said, but was lacking respiratory effort. Her blood pressure was normal and heart rate was also normal. What is the diagnosis?
- Pulmonary embolism
  - Fentanyl induced chest wall rigidity
  - Respiratory depression
  - Recovery phase
84. Protein is purified using ammonium sulfate by–
- Salting out
  - Ion exchange chromatography
  - Mass chromatography
  - Molecular size exclusion
85. Lesch-Nyhan syndrome is caused by the deficiency of–
- Folic acid
  - Carbamoyl phosphate synthetase II
  - UMP synthase
  - HGPRT

- 86. In CRP, the C stands for –**
- Canavallin A
  - Cellular
  - Chondroitin sulfate
  - C polysaccharide of streptococcus
- 87. Rothera's test used for detection of –**
- Proteins
  - Glucose
  - Fatty acid
  - Ketones
- 88. Milkman's Fracture is a type of –**
- Pseudofracture
  - Clavicular fracture
  - Humeral fracture
  - Metacarpal fracture
- 89. Complications of colle's fracture include all of the following except:**
- Sudeck's Osteodystrophy
  - Rupture of EPL tendon
  - Malunion
  - Nonunion
- 90. Most common site of scaphoid fracture is:**
- Distal fragment
  - Tilting of the lunate
  - Waist
  - Proximal fragment
- 91. Left SVC drains into?**
- Left atrium
  - Right atrium
  - Coronary sinus
  - Pericardial sac
- 92. Urogenital diaphragm is made of the following except:**
- Deep transverse perini
  - Perinial membrane
  - Colles fascia
  - Sphincter Urethrae
- 93. 'Hybrid' or 'Composite muscles' include the following except?**
- Pectinius
  - Flexor carpi ulnaris
  - Flexor digitorum superficialis
  - Biceps femoris
- 94. Gluteus medius is supplied by?**
- Superior gluteal nerve
  - Inferior gluteal nerve
  - Femoral nerve
  - Sciatic nerve
- 95. Celiac plexus is located:**
- Anterolateral to aorta
  - Posterolateral to aorta
  - Anterolateral to lumbar sympathetic chain
  - Posterolateral to lumbar sympathetic chain
- 96. In severe exercise, CO increases up to 5 times, while pulmonary blood pressure rises minimally because?**
- Additional parallel vessels open up
  - Sympathetic stimulation causes greater distensibility of pulmonary vessels
  - Large amount of smooth muscles in pulmonary arterioles.
  - Larger area of pulmonary circulation
- 97. Non-respiratory Function of lung?**
- Anion excretion
  - Sodium balance
  - Potassium balance
  - Magnesium balance
- 98. The hot fomentation relieves the intestinal spasm pain by inhibition of?**
- Cholinergic receptors
  - Adrenergic receptors
  - Cold receptors
  - Heat receptors
- 99. A 40 years old patient was brought with recent onset personality changes and behavioural problems. He had diarrhea since few days. On examination there was hypersalivation and blue lines were noted on gums. Fine tremors were also noted. There is no organomegaly. What is the likely diagnosis?**
- Lead poisoning
  - Mercury poisoning
  - Arsenic poisoning
  - Copper toxicity
- 100. Mechanisms of injuries caused by Lightning include the following except one?**
- Compression effect due to compression air wave striking the abdomen
  - Direct effect from electric discharges passing to ground
  - Surface flash burns from discharges
  - Mechanical effect due to force of displaced air around the flash by heat expansion

- 101. Morphine can be used in all the following conditions except –**
- Head injury
  - Asthma
  - Hypothyroidism
  - Diabetes
- 102. All are antiemetics except –**
- Domperidone
  - Ondansetron
  - Phenazocine
  - Cyclizine
- 103. A patient is receiving linezolid therapy for 14 days, which of the following should be monitored:**
- Renal function tests
  - Liver enzymes
  - Platelet monitoring
  - Monitoring of reflex
- 104. Toxicity of Amphotericin B can be reduced by using:**
- Liquid preparation
  - Granules
  - Liposomal preparation
  - Subcutaneous administration
- 105. Which of the following can cause acute Pancreatitis:**
- Abacavir
  - Lamivudine
  - Zidovudine
  - Didanosine
- 106. Reflex which is not present in child at birth is –**
- Moro's reflex
  - Symmetric tonic neck reflex
  - Crossed extensor reflex
  - Asymmetric tonic neck reflex
- 107. Most common cause of sepsis in India within 2 months –**
- H influenza
  - E.coli
  - Coagulase positive staph aureus
  - Group B streptococcus
- 108. A case of jaundice with 50% direct bilirubin, other LFTs normal. Diagnosis is –**
- Rotor syndrome
  - Gilbert syndrome
  - Glucuronyl transferase deficiency
  - Primary biliary cirrhosis
- 109. Infant of diabetic mother with weight 3.8 Kg presented with seizures after 16 hours of birth. What is the cause–**
- Hypoglycemia
  - Hypocalcemia
  - Birth asphyxia
  - Intraventricular hemorrhage
- 110. Electron microscopy is diagnostic in?**
- Good pasture's syndrome
  - Wegener's granulomatosis
  - PAN
  - Alport's syndrome
- 111. Drug of choice in Theophylline poisoning –**
- Cortisone
  - Propranolol
  - Thyroxine
  - Phenobarbitone
- 112. Which of the following drugs has been found to be useful in acute severe asthma?**
- Magnesium Sulphate
  - Anti-leukotrine
  - Cromolyn Sodium
  - Cyclosporine
- 113. Parathyroid hormone –**
- Decreases bone resorption
  - Increases bone resorption
  - Enhances phosphate reabsorption from kidney
  - Decreases calcium reabsorption from kidney
- 114. Buspirone is an:**
- Anxiolytic
  - Muscle relaxant
  - Sedation
  - Anticonvulsant
- 115. Oxygen content in anaesthetic mixture is:**
- |         |                   |
|---------|-------------------|
| (a) 25% | (b) 30%           |
| (c) 33% | (d) None of these |
- 116. Alcohol intake during pregnancy causes, all, except –**
- Brachycephaly
  - Microcephaly
  - Hyperkinetic movements
  - Congenital anomalies
- 117. Which teratogen causes deafness?**
- |                  |                 |
|------------------|-----------------|
| (a) Isotretinoin | (b) Chloroquine |
| (c) Alcohol      | (d) Warfarin    |

**118. Digoxin toxicity is increased by all except –**

- (a) Renal impairment
- (b) Hyperkalemia
- (c) Hypercalcemia
- (d) Hypomagnesemia

**119. Tylectomy literally mean –**

- (a) Excision of a lump
- (b) Excision of LN
- (c) Excision of breast
- (d) Excision of skin

**120. The most common histologic type of thyroid cancer is:**

- (a) Medullary type
- (b) Follicular type
- (c) Papillary type
- (d) Anaplastic type

**121. Best test to diagnose gastroesophageal reflux disease and quantify acid output:**

- (a) Esophagogram
- (b) Endoscopy
- (c) Manometry
- (d) 24 hr pH monitoring

**122. The most common cause of gastric outlet obstruction in India is:**

- (a) Tuberculosis
- (b) Cancer of stomach
- (c) Duodenal lymphoma
- (d) Peptic ulcer disease

**123. Most common infection after splenectomy is –**

- (a) Anaerobic
- (b) Staphylococcal
- (c) Streptococcal
- (d) Pneumococcal

**124. Most common type of choledochal cyst?**

- (a) Type 1
- (b) Type 2
- (c) Type 3
- (d) Type 6

**125. Best prognosis for carcinoma of pancreas is in the region of –**

- (a) Head
- (b) Tail
- (c) Body
- (d) Periampullary

**126. Colopotomy is done to treat –**

- (a) Ischeorectal abscess
- (b) Pelvic abscess
- (c) Appendicular abscess
- (d) Perianal abscess

**127. Parastomal hernia is most frequently seen with:**

- (a) End Colostomy
- (b) Loop Colostomy
- (c) End Iliostomy
- (d) Loop Iliostomy

**128. Best investigation to diagnose piles is –**

- (a) Proctosigmoidoscopy
- (b) Barium enema
- (c) Ultrasound
- (d) Proctoscopy

**129. Z score is used in?**

- (a) Nominal data
- (b) Normal distribution curve
- (c) t test
- (d) Chi square test

**130. True about corneal transplant:**

- (a) Eye ball is removed from the donor and the Complete eyeball is preserved in ice for corneal transplant
- (b) Cornea of persons more than 60 years of age is not taken for transplant
- (c) Specular microscopy is ideal for the endothelial count
- (d) HLA matching is required essentially

**131. Retinoblastoma is associated with?**

- (a) Osteosarcoma
- (b) Chondrosarcoma
- (c) Fibrosarcoma
- (d) Rhabdomyosarcoma

**132. Topical Mitomycin C is useful in treatment of?**

- (a) Angiofibroma
- (b) Tracheal stenosis
- (c) Skull base Osteomyelitis
- (d) Laryngeal carcinoma

**133. Laser used in laryngeal work?**

- (a) Argon
- (b) CO<sub>2</sub>
- (c) Holmium
- (d) ND Yag

**134. Following can be visualized on Bronchoscopy except?**

- (a) Vocal cords
- (b) Trachea
- (c) Subcarinal nodes
- (d) First division of subsegmental bronchioles

**135. Down's syndrome most commonly occurs due to?**

- (a) Reciprocal translocation
- (b) Nondysjunction in maternal meiosis
- (c) Translocation defect
- (d) Nondysjunction in paternal meiosis

- 136. Which of the following is NOT associated with increase in the risk of seizures in future in a child with febrile seizures?**
- Developmental delay
  - Early age of onset
  - Complex partial seizures
  - Family history positive
- 137. Which of the milestone develops first –**
- Mirror play
  - Crawling
  - Creeping
  - Pincer grasp
- 138. A year 6 old child with IQ of 50. Which of the following can the child do –**
- Identify colours
  - Read a sentence
  - Ride a bicycle
  - Copy a triangle
- 139. Which of the following is the best indicator of long term nutritional status –**
- Mid arm circumference
  - Height for age
  - Weight for age
  - Weight for height
- 140. Indicator of moderate to severe malnutritions is:**
- Serum transferrin 160
  - Body mass index 19
  - Albumin 2.1 g/dl
  - Transthyretin
- 141. Craniotabes is seen in following except –**
- Rickets
  - Syphilis
  - Osteogenesis imperfecta
  - Thalassemia
- 142. Anti infective vitamin is –**
- Vitamin B<sub>6</sub>
  - Vitamin A
  - Vitamin D
  - Vitamin C
- 143. Abnormalities of copper metabolism are implicated in the pathogenesis of all the following except –**
- Wilson's disease
  - Monkes' Kinky-hair syndrome
  - Indian childhood cirrhosis
  - Keshan disease
- 144. A 2 years old child is brought by parents with history of seizures and developmental delay. He has multiple hypopigmented macules over the back. What the most probable diagnosis?**
- Neurofibromatosis type 1
  - Tuberous sclerosis
  - Sturge Weber syndrome
  - Linear Sebaceous Nevus Syndrome
- 145. Following can be used in Rx of myoclonic seizures except:**
- Valproate
  - Carbamazepine
  - Topiramate
  - Zonisamide
- 146. Commonest cause of ureteric injury during surgical operation is –**
- Abdomino-perineal resection
  - Hysterectomy
  - Prostectomy
  - Colectomy
- 147. Bladder tumours mostly arises from –**
- Mucosa
  - Submucosa
  - Muscularis Mucosa
  - Seorsa
- 148. Semen analysis of a young man who presented with primary infertility revealed low volume, fructose negative ejaculate with azoospermia. Which of the following is the most useful imaging modality to evaluate the cause of his infertility?**
- Colour duplex ultrasonography of the scrotum
  - Transrectal ultrasonography
  - Retrograde urethrography
  - Spermatic venography
- 149. Optical urethroplasty is done in –**
- Congenital stricture of urethra
  - Hypospadias
  - Epispadias
  - Testicular tumour's
- 150. Most common testicular tumor in prepubertal adults is:**
- Yolk sac tumor
  - Embryonal cell Ca
  - Seminoma
  - Teratoma

- 151. Which of the following is the best parameter to assess fluid intake in a poly-trauma patient –**
- Urine output
  - BP
  - Pulse
  - Pulse oximetry
- 152. Orthobaric oxygen is used in :-**
- CO poisoning
  - Ventilation failure
  - Anerobic infection
  - Gangrene
- 153. Which of the following is microaerophilic –**
- Campylobacter
  - Vibrio
  - Bacteroides
  - Pseudomonas
- 154. All are methods of sterilization by dry heat except –**
- Flaming
  - Incineration
  - Hot air oven
  - Autoclaving
- 155. False regarding bacterial plasmids is?**
- Extrachromosomal
  - Eliminated by treating with radiation
  - Transmission of different species
  - Can cause lysogenic conversion
- 156. Insulin secretion is inhibited by?**
- Secretin
  - Epinephrine
  - GH
  - Gastrin
- 157. Effect of bradykinin includes?**
- Vasodilatation
  - Vasoconstriction
  - Increased vascular permeability
  - Pain
- 158. Mitochondrial enzyme in liver?**
- SGOT
  - SGPT
  - Gamma glutamyl transferase
  - Nucleotidase
- 159. Pink color on rothera's test:**
- Proteins
  - Fatty acids
  - Glucose
  - Ketone bodies
- 160. Prenatal diagnosis of haemophilia can be done by?**
- Microarray
  - Cytogenetic analysis
  - Linkage analysis
  - DNA sequence polymorphism
- 161. Gout is a disorder of?**
- Purine metabolism
  - Pyrimidine metabolism
  - Urea metabolism
  - Lipid metabolism
- 162. BMR is increased in the following except:**
- Physical activity
  - Food intake
  - Hyperthyroidism
  - Obesity
- 163. BMR mainly depends on?**
- Daily activities
  - Lean body mass
  - Body surface area
  - Body Mass Index
- 164. Mechanism of action of Theophylline?**
- Mast cell stabilization
  - Phosphodiesterase inhibition
  - Leukotriene antagonism
  - $\beta_2$  sympathomimetic
- 165. Allopurinol is used in treatment of?**
- Gout
  - Hypothyroidism
  - Hypertension
  - Hyperlipidemia
- 166. B cell maturation takes place in –**
- Thymus
  - Lymph node
  - Bone marrow
  - Spleen
- 167. Culture media of leptospirosis –**
- Korthof
  - Perkin
  - Tinsdale
  - Baker's
- 168. All of the following statements about Chlamydia trachomatis are true except –**
- Genital chlamydial infections are often asymptomatic
  - Can be cultured
  - Inclusion conjunctivitis is caused by C. trachomatis serotypes D-K
  - Penicillin is the treatment of choice

- 169. Which of the following literally means “flow of seed” –**
- (a) Anthrax (b) Clostridia  
(c) Gonorrhoea (d) Proteus
- 170. Conjunctivitis is caused by all except –**
- (a) CMV  
(b) Enterovirus 70  
(c) Coxsackies A24  
(d) Adenovirus
- 171. Cloudy swelling is due to –**
- (a) Accumulation of water intracellularly  
(b) Fat accumulation intracellularly  
(c) Lysozyme degeneration  
(d) Glycogen accumulation intracellularly
- 172. Basement membrane degeneration is mediated by –**
- (a) Metalloproteinases  
(b) Oxidases  
(c) Elastases  
(d) Hydrocyclases
- 173. Sago spleen is seen in –**
- (a) Gaucher’s disease  
(b) Malaria  
(c) Amyloidosis  
(d) Felty’s disease
- 174. Salt losing nephritis is a feature of –**
- (a) Interstitial nephritis  
(b) Polycystic kidney  
(c) Lupus nephritis  
(d) Renal amyloidosis
- 175. All are of adult size at birth except –**
- (a) Mastoid antrum  
(b) Ear Ossicles  
(c) Tympanic cavity  
(d) Maxillary antrum
- 176. Goblet cells are present in –**
- (a) Trachea (b) Jejunum  
(c) Epididymis (d) Ileum
- 177. Most common cause of death after Total Hip Replacement is –**
- (a) Infection  
(b) Pneumonia  
(c) Anemia  
(d) Thromboembolism
- 178. Bouchard’s nodes are seen in –**
- (a) Proximal IP joints  
(b) Distal IP joints  
(c) Sternoclavicular joints  
(d) Knee joint
- 179. Which of the following is NOT a primary skin disease?**
- (a) Reiter’s syndrome  
(b) Bowen’s disease  
(c) Psoriasis  
(d) Lichen planus
- 180. An otherwise healthy male presents with a creamy curd like white patch on the tongue. The probable diagnosis is –**
- (a) Candidiasis  
(b) Histoplasmosis  
(c) Lichen planus  
(d) Aspergillosis
- 181. In spinal anesthesia, the drug is deposited between –**
- (a) Dura and arachnoid  
(b) Pia and arachnoid  
(c) Dura and vertebra  
(d) Into the cord substance
- 182. Which among the following is NOT used for surface anaesthesia –**
- (a) Lignocaine  
(b) Procaine  
(c) Tetracaine  
(d) Benzocaine
- 183. Which is a hinge joint –**
- (a) Knee  
(b) Elbow  
(c) Metacarpo Phalangeal  
(d) Atlanto Axial
- 184. What is Agoraphobia?**
- (a) Fear of heights  
(b) Fear of closed spaces  
(c) Fear of open space  
(d) Fear of dogs
- 185. Best diagnosis for dissecting aorta is –**
- (a) CT Scan  
(b) MRI  
(c) Angiography  
(d) X-ray

186. Egg on side appearance is seen in:

- (a) TOF
- (b) TAPVC
- (c) Uncorrected TGA
- (d) Truncus arteriosus

187. Best investigation in acute cholecystitis is–

- (a) Technetium scan
- (b) HIDA scan
- (c) Pipida scan
- (d) Plain X-ray abdomen

188. All of the following heart sounds occur shortly after S<sub>2</sub> except –

- (a) Opening snap
- (b) Pericardial knock
- (c) Ejection click
- (d) Tumor plop

189. Enlarged pulsatile liver is seen in –

- (a) Tricuspid regurgitation
- (b) Aortic regurgitation
- (c) Mitral regurgitation
- (d) Pulmonary regurgitation

190. Cardiomyopathy may be seen in all of the following except –

- (a) Duchenne muscular dystrophy
- (b) Friedrich's ataxia
- (c) Type IUI glycogen storage disease
- (d) Alkaptonuria

191. Test for reversible cardiac ischemia –

- (a) Angiography
- (b) Thallium scan
- (c) MUGA
- (d) Resting Echocardiography

192. Most common cause of acute RVF –

- (a) Massive pulmonary embolism
- (b) Tricuspid stenosis
- (c) Pulmonary stenosis
- (d) Tricuspid regurgitation

193. All are causes of pulmonary hypertension except–

- (a) Hyperventilation
- (b) Morbid obesity
- (c) High altitude
- (d) Fenfluramine

194. Which valve is least affected in Rheumatic fever?

- (a) Pulmonary valve
- (b) Tricuspid valve
- (c) Mitral valve
- (d) Aortic valve

195. A patient presents with tachycardia, BP<100mm systolic and postural hypotension. Diagnosis is –

- (a) Vasovagal attack
- (b) Diabetic neuropathy
- (c) Shy drager syndrome
- (d) Bleeding peptic ulcer

196. Left ventricular hypertrophy is caused by all except –

- (a) MS
- (b) MR
- (c) AS
- (d) AR

197. Calcium Gluconate is not used in CPR by –

- (a) Hypocalcemia
- (b) Hypokalemia
- (c) Hyperkalemia
- (d) Calcium antagonism

198. A 28 year old woman having limited cutaneous scleroderma for the last 10 years complains of shortness of breath for last one month. Her pulmonary function tests (PFT) are as follow –

PFT	Observed	Predicted
FVC	2.63	2.82
FEV1	88%	80%
DLCO	5.26	16.3

What is most likely diagnosis in this case?

- (a) Interstitial lung disease
- (b) Pulmonary artery hypertension
- (c) Congestive heart failure
- (d) Bronchiectasis

199. The most definitive method of diagnosing pulmonary embolism is –

- (a) Pulmonary ateriography
- (b) Radioisotope perfusion pulmonary scintigraphy
- (c) EKG
- (d) Venography

200. All of the following features are seen in viral pneumonia except –

- (a) Presence of interstitial inflammation
- (b) Predominance of alveolar exudates
- (c) Bronchiolitis
- (d) Multinucleate giant cells in the bronchiolar wall