



~~PG~~ PG 2008

MEDICAL

Test Admission Ticket No.				

Question Booklet Version Code
D
(Write this Code on your OMR Answer Sheet)

Question Booklet Sr. No.
4290
(Write this number on your Answer Sheet)

OMR Serial Number					

Candidates Kindly Note

- There are totally 180 questions in this booklet.
- The question paper and OMR (Optical Mark Reader) Answer Sheet are issued separately at the start of the examination.
- **Please ensure to fill in the following on your OMR answer sheet in the relevant boxes :**
 1. Name
 2. Question Booklet Version Code
 3. Question Booklet Serial Number
 4. Test Admission Ticket Number
- Kindly sign on your OMR answer sheet, only in the presence of the invigilator and obtain his/her signature on your OMR answer sheet.
- Candidate should carefully read the instructions printed on the Question Booklet and OMR Answer Sheet and make correct entries on the Answer Sheet. As Answer Sheets are designed for OPTICAL MARK READER (OMR) SYSTEM, special care should be taken to mark the entries accurately.
- Special care should be taken to fill your QUESTION BOOKLET VERSION CODE and SERIAL No. and TEST ADMISSION TICKET No. accurately. The correctness of entries has to be cross-checked by the invigilators.
- Mark your responses only as indicated on the OMR Answer Sheet.
- Choice and sequence for attempting questions will be as per the convenience of the candidate.
- Kindly **DO NOT** use whitener or scribble, make stray marks on this question booklet as well as on the OMR answer sheet.
- Fill the appropriate circle completely like this ● for answering the particular question with **BLACK/BLUE BALL POINT PEN** only. **USE OF PENCIL FOR MARKING IS PROHIBITED.**
- Before commencing the examination, please verify that all pages are printed correctly, if not please draw the attention of your room invigilator for further assistance. This Question Booklet contains 32 pages.
- Each correct answer is awarded one mark.
- **There will be no Negative Marking.**
- No Mark/s will be awarded for multiple marking (marking multiple responses) of any question.
- **On the OMR answer sheet, use of whitener or any other material to erase/hide the circle once filled is not permitted.**
- Avoid overwriting and/or striking of answer once marked. **THINK BEFORE YOU INK.**
- Immediately after the prescribed examination time is over, the OMR sheet is to be returned to the invigilator after ensuring that both the candidate and the invigilator have signed.

DO NOT WRITE HERE



MEDICAL

1. Polyhydramnios is associated with
 - a) renal agenesis
 - b) esophageal atresia
 - c) post term pregnancy .
 - d) mitral stenosis
2. Hydroxyapatite crystals are deposited in
 - a) pseudo gout
 - b) chondrocalcinosis
 - c) haemochromatosis
 - d) hyperparathyroidism
3. Stereocilia are present in
 - a) testis
 - b) epididymis
 - c) vas deferens
 - d) prostate
4. Relative risk is more appropriately obtained from
 - a) case-control study
 - b) cohort study
 - c) descriptive study
 - d) cross-sectional study
5. The specific antidote of paracetamol is
 - a) N-acetylcysteine
 - b) naloxone
 - c) oximes
 - d) amyl nitrite
6. Amotivational syndrome is a disorder associated with the use of the following substance
 - a) tobacco
 - b) cannabis
 - c) cocaine
 - d) alcohol



7. Pseudogout is treated with all **EXCEPT**
- a) colchicine
 - b) diclofenac
 - c) probenecid
 - d) prednisolone
8. Which of the following groups of contrast agents may be safely injected intra-theCALLy ?
- a) Water soluble ionic monomers
 - b) Water soluble non-ionic monomers
 - c) Water soluble ionic dimers
 - d) Oil based iodinated contrasts
9. Early systolic murmur is heard in all **EXCEPT**
- a) acute mitral regurgitation
 - b) small ventricular septal defect
 - c) mitral valve prolapse with mitral regurgitation
 - d) large ventricular septal defect with pulmonary hypertension
10. Use of contraceptive pills is associated with which one of the following ?
- a) hepatic adenoma
 - b) focal nodular hyperplasia
 - c) hepatocellular carcinoma
 - d) hemangioma of the liver
11. Donepezil has the following mechanism of action
- a) dopaminergic blockade
 - b) cholinesterase inhibition
 - c) serotonin blockade
 - d) histaminergic action
12. The most important component of vitreous humor for the estimation of time since death is
- a) calcium
 - b) sodium
 - c) potassium
 - d) protein

13. The presence of Heinz bodies in erythrocytes indicates
- a) malarial infection
 - b) haemoglobin abnormalities
 - c) oxidative stress
 - d) degraded bacterial forms
14. Hallmark of Whipple's disease is small intestine mucosa distended with
- a) Macrophages
 - b) Neutrophils
 - c) Eosinophils
 - d) Lymphocytes
15. Farmer's lung is caused by
- a) Actinomyces
 - b) Blastomycosis
 - c) Micropolyspora faeni
 - d) Candida albicans
16. Dissection of the aorta is considered acute when the process is less than
- a) 6 hours old
 - b) 12 hours old
 - c) 14 days old
 - d) 28 days old
17. Thickened gastric folds on barium meal are seen in
- a) leiomyosarcoma
 - b) scleroderma
 - c) amyloidosis
 - d) linitis plastica
18. Which one of the following is not a mosquito borne viral hemorrhagic fever ?
- a) Dengue
 - b) Chikungunya
 - c) Kyasanur forest disease
 - d) Yellow fever

19. Cobble stone appearance of conjunctiva is seen in
- a) viral conjunctivitis
 - b) ligneous conjunctivitis
 - c) vernal kerato conjunctivitis
 - d) bacterial conjunctivitis
20. 'Omega sign' on X ray abdomen is suggestive of
- a) duodenal perforation
 - b) sigmoid volvulus
 - c) acute pancreatitis
 - d) intestinal obstruction
21. The commonest endocrine tumor of the pancreas is
- a) insulinoma
 - b) glucagonoma
 - c) gastrinoma
 - d) somatostatinoma
22. Minimal or no tolerance develops to which action of opioids ?
- a) Sedation
 - b) Analgesia
 - c) Miosis
 - d) Euphoria
23. Antigens presented along with HLA class I stimulate
- a) CD 8 cells
 - b) CD 4 cells
 - c) CD 2 cells
 - d) CD 19 cells
24. The Globin portion of Haemoglobin A is
- a) $\alpha_2 \beta_2$
 - b) $\alpha_2 \gamma_2$
 - c) $\alpha_2 \delta_2$
 - d) $\alpha_2 \epsilon_2$

25. Pre geriatric care is
- a) primordial prevention
 - b) secondary prevention
 - c) tertiary prevention
 - d) specific protection
26. Renal cell carcinoma arises from cells of
- a) proximal convoluted tubule
 - b) distal convoluted tubule
 - c) loop of henle
 - d) collecting tubule
27. Pseudotumours are most commonly seen in
- a) thalassaemia
 - b) haemophilia
 - c) osteomalacia
 - d) scurvy
28. Which type of immune response is responsible for caseation necrosis in tuberculosis ?
- a) Cell mediated immunity
 - b) Delayed type hypersensitivity
 - c) Allergic reaction
 - d) Immune complexes
29. All are features of Parkinson's disease **EXCEPT**
- a) resting tremors
 - b) hyperkinesia
 - c) shuffling gait
 - d) cogwheel rigidity
30. The antidote for benzodiazepine poisoning is
- a) flumazenil
 - b) sibutramine
 - c) rimonabant
 - d) phentermine

31. Which nuclei destruction results in rage phenomenon ?
- a) ventromedial
 - b) amygdala
 - c) cingulate gyrus
 - d) piriform cortex
32. Characteristics radiologic feature of chondrosarcoma is
- a) fluffy calcification
 - b) onion peel appearance
 - c) sunburst appearance
 - d) Codman's triangle
33. Whipple's triad is diagnostic of
- a) Zollinger ellison syndrome
 - b) insulinoma
 - c) vipoma
 - d) glucagonoma
34. Acceptable noise limit in a hospital ward is
- a) 20-35 dBA
 - b) 35-40 dBA
 - c) 40-50 dBA
 - d) 50-60 dBA
35. The hallmarks of Type I Glycogen storage disease are all the following **EXCEPT**
- a) hypoglycaemia
 - b) metabolic alkalosis
 - c) hyperuricaemia
 - d) hyperlipidaemia
36. For metastatic bone lesions to be evident on X-ray, the decrease in calcium content required is
- a) 25%
 - b) 50%
 - c) 75%
 - d) 90%

37. According to Bio Medical Waste rules, 1998 human anatomical waste are to be segregated in
- a) yellow bags
 - b) black bags
 - c) red bags
 - d) white bags
38. Pleomorphic rash is a feature of
- a) chicken pox
 - b) mumps
 - c) measles
 - d) rubella
39. All of the following drugs are protease inhibitors **EXCEPT**
- a) abacavir
 - b) indinavir
 - c) amprenavir
 - d) ritonavir
40. Polyarteritis nodosa does **NOT** involve
- a) bronchial arteries
 - b) renal arteries
 - c) mesenteric arteries
 - d) pulmonary arteries
41. A 43 year old patient with chronic dry cough has the following spirometry report FEV1/FVC – 80%, FEV1 – 80% of predicted, FVC – 40% of predicted. What is the probable diagnosis ?
- a) Pulmonary TB
 - b) Interstitial lung disease
 - c) Asthma
 - d) GERD
42. Acyclovir is not effective in
- a) herpes simplex virus – 1
 - b) herpes simplex virus – 2
 - c) cytomegalovirus
 - d) varicella-zoster virus
43. Early cardiomegaly on a chest skiagram is found in a neonate with
- a) Transposition of the great vessels
 - b) Tricuspid atresia
 - c) Tetralogy of Fallot
 - d) Pulmonic stenosis

44. Band shaped keratopathy is seen in
- a) hyperthyroidism
 - b) Still's disease
 - c) absolute glaucoma
 - d) buphthalmos
45. Durck granulomas are seen in
- a) Barryliosis
 - b) Sarcoidosis
 - c) Tuberculosis
 - d) Malaria
46. Fanconi's syndrome shows
- a) Megakaryocytic hypoplasia
 - b) Megakaryocytic hyperplasia
 - c) Myeloid hyperplasia
 - d) Erythroid hyperplasia
47. The cofactor required for the enzyme alcohol dehydrogenase is
- a) copper
 - b) magnesium
 - c) zinc
 - d) molybdenum
48. Precocious puberty is seen with which ovarian tumour ?
- a) Dermoid
 - b) Gynandroblastoma
 - c) Granulosa cell tumour
 - d) Arrhenoblastoma
49. The commonest type of lung cancer in a non-smoker is
- a) adenocarcinoma
 - b) squamous cell carcinoma
 - c) small cell carcinoma
 - d) large cell carcinoma
50. Elimination of leprosy is defined as prevalence of less than
- a) 1 case per 100
 - b) 1 case per 1000
 - c) 1 case per 10,000
 - d) 1 case per 100,000

51. Saliva contains the following **EXCEPT**
- a) lingual lipase
 - b) alpha amylase
 - c) Ig-A
 - d) colipase
52. For an obese diabetic the best antidiabetic agent would be
- a) glitazones
 - b) metformin
 - c) sulphonyl urea
 - d) insulin
53. Alpha – protease inhibitor deficiency manifests as
- a) fibrinolytic bleeding
 - b) hereditary angioneurotic edema
 - c) emphysema
 - d) thrombosis
54. The age by which most of the normal babies know their gender is
- a) 1 year
 - b) 2 years
 - c) 3 years
 - d) 4 years
55. Marked diminution of vision is a feature of
- a) papilledema
 - b) lattice degeneration
 - c) retinal hole
 - d) papillitis
56. The drug of choice for the management of acute ureteric colic is
- a) diclofenac
 - b) morphine
 - c) frusemide
 - d) diazepam
57. Recurrent venous thrombosis that requires life long anticoagulation occurs in
- a) protein C deficiency
 - b) protein S deficiency
 - c) antithrombin III deficiency
 - d) heterozygous Factor V Leiden

58. Taste buds are present in all **EXCEPT**
- a) foliate papilla
 - b) filiform papilla
 - c) fungiform papilla
 - d) circumvallate papilla
59. The best radiological modality to differentiate between an adrenal adenoma and adrenal metastasis is
- a) intravenous urography
 - b) adrenal angiography
 - c) CT scan
 - d) MRI scan
60. Half life of Thrombocytes in circulating blood is about
- a) 2 days
 - b) 4 days
 - c) 6 days
 - d) 8 days
61. Hyperbaric local anaesthetic used for spinal anaesthesia is
- a) 5% xylocaine
 - b) 2% xylocaine with dextrose
 - c) 5% xylocaine with dextrose
 - d) 2% bupivacaine
62. Pinkish postmortem staining is a feature of
- a) aniline poisoning
 - b) nitrites poisoning
 - c) carbon-monoxide poisoning
 - d) phosphorus poisoning
63. Which among the following drugs blocks platelet glycoprotein IIb/IIIa receptors ?
- a) Abciximab
 - b) Etanercept
 - c) Adalimumab
 - d) Infliximab
64. Cells present in the medulla of the ovary, which are homologous to interstitial cells of the Testes are
- a) Stromal cells
 - b) Hilus cells
 - c) Germinal epithelium
 - d) Tunica albuginea

65. A lesion on the contralateral brain stem nucleus, affects which of the following extra ocular muscle ?
- a) superior rectus
 - b) inferior rectus
 - c) medial rectus
 - d) lateral rectus
66. In the physiologic system, Nitric Oxide acts through
- a) cyclic AMP
 - b) calcium ions
 - c) cyclic GMP
 - d) prostacyclins
67. Persistent vaginal discharge in a pediatric patient should prompt search for which of the following
- a) foreign body
 - b) pin worms
 - c) illicit drug use
 - d) vaginal laceration
68. Indocyanine green clearance is used to assess
- a) renal functional reserve
 - b) hepatic functional reserve
 - c) cardiac functional reserve
 - d) pulmonary functional reserve
69. Hypotension during anesthesia may be due to
- a) CO₂ retention
 - b) Isoflurane
 - c) pancuronium
 - d) vecuronium
70. Carcinoma cervix is commonly associated with following sub type of HPV
- a) HPV - 16, 18
 - b) HPV - 42, 44
 - c) HPV - 62, 66
 - d) HPV - 6, 11
71. Sever's disease is
- a) osteochondritis of calcaneum
 - b) osteochondritis of talus
 - c) osteochondritis of navicular
 - d) osteochondritis dissicans of knee

72. Which mineral is therapeutically useful to reduce copper absorption in Wilson's disease ?
- a) Zinc
 - b) Calcium
 - c) Cadmium
 - d) Iron
73. Which of the following is a tricyclic antidepressant ?
- a) venlafaxine
 - b) escitalopram
 - c) mirtazepine
 - d) clomipramine
74. The skin along the medial border of the foot is supplied by
- a) sural nerve
 - b) saphenous nerve
 - c) superficial peroneal nerve
 - d) deep peroneal nerve
75. Epidemic dropsy is caused by
- a) aflatoxin
 - b) sanguinarine
 - c) fusarium toxin
 - d) beta oxalyl amino alanine
76. Which intra uterine infection causes endocrinopathy ?
- a) Cytomegalo Virus
 - b) Toxoplasmosis
 - c) Varicella Zoster Virus
 - d) Treponema pallidum
77. Test for detection of blood group from a stain is
- a) gel diffusion
 - b) precipitin test
 - c) benzidine test
 - d) absorption elution test
78. Hyperkalemia may be caused by all the following drugs **EXCEPT**
- a) spironolactone
 - b) acetazolamide
 - c) ramipril
 - d) triamterene

79. Which one of the Interleukins is produced by Th 1 cells ?
- a) IL 1
 - b) IL 2
 - c) IL 3
 - d) IL 4
80. The veins of the pericardium drain into
- a) superior vena cava
 - b) inferior vena cava
 - c) azygos vein
 - d) left brachiocephalic vein
81. Of the drugs given below, which would be most appropriate for Neurocysticercosis ?
- a) Niclosamide
 - b) Albendazole
 - c) Metronidazole
 - d) Pyrantel pamoate
82. Injury to superior laryngeal nerve causes paralysis of
- a) posterior cricoarytenoid
 - b) lateral cricoarytenoid
 - c) cricothyroid
 - d) thyroarytenoid
83. The competence of the deep venous system is diagnosed clinically by performing which of the following tests
- a) Pratt's test
 - b) Schwartz's test
 - c) Perthe's test
 - d) Brodie- Trendelenberg's test
84. Barlow's test is a useful test for screening of
- a) Perthes' disease of hip
 - b) tuberculosis of hip
 - c) congenital dislocation of hip
 - d) septic arthritis of hip

85. Human placenta is
- a) epitheliochorial
 - b) syndesmochorial
 - c) haemochorial
 - d) endotheliochorial
86. Following peptic ulcer surgery, reactive hypoglycemia is seen in
- a) early dumping
 - b) late dumping
 - c) post vagotomy diarrhoea
 - d) small stomach syndrome
87. A positive Germ tube test indicates infection by
- a) *Candida albicans*
 - b) *Candida viswanathii*
 - c) *Candida Krusei*
 - d) *Candida glabrata*
88. The epidemic pattern of HIV in India is of which type ?
- a) type I
 - b) type II
 - c) type III
 - d) type IV
89. The interureteric ridge forming the base of trigonal structure is also called
- a) Bell's muscle
 - b) Mercier's bar
 - c) Rice's bar
 - d) Toldt's bar
90. The main mediator causing increased vascular permeability is
- a) Thromboxane
 - b) Prostacyclin
 - c) Leukotrienes
 - d) Lipoxins

91. Features of Sezary syndrome include all of the following **EXCEPT**
- a) erythroderma
 - b) circulating atypical B lymphocytes
 - c) pruritus
 - d) lymphadenopathy
92. A clinical condition resembling acrodermatitis enteropathica is seen with low dietary intake and low plasma concentration of
- a) Arginine
 - b) Cystine
 - c) Tryptophan
 - d) Isoleucine
93. Which one of the following organism causes necrotizing pneumonia ?
- a) Streptococcus pneumoniae
 - b) Staphylococcus aureus
 - c) Mycobacterium tuberculosis
 - d) Mycoplasma pneumoniae
94. Schistocytes in the peripheral smear indicate the presence of
- a) sepsis
 - b) lead poisoning
 - c) hemolysis
 - d) liver disease
95. Indications for chorionic villous biopsy include all **EXCEPT**
- a) Inherited disorders
 - b) Metabolic disorders
 - c) Unexplained fetal loss
 - d) Fetal hemolytic disease
96. The nerve passing deep to the inferior extensor retinaculum is
- a) superficial peroneal nerve
 - b) anterior tibial nerve
 - c) sural nerve
 - d) saphenous nerve

97. Mediastinal shift in tension pneumothorax may be absent if associated with
- a) consolidation
 - b) pleural effusion
 - c) diaphragmatic palsy
 - d) severe emphysema
98. The nutrient absent in egg is
- a) calcium
 - b) zinc
 - c) vitamin A
 - d) vitamin C
99. A potent inhibitor of protein synthesis that acts as an analogue of aminoacyl tRNA is
- a) rifampicin (Rifampin)
 - b) erythromycin
 - c) puromycin
 - d) streptomycin
100. Periungual telangiectasias are a pathognomonic sign in
- a) chronic paronychia
 - b) nail bed tumours
 - c) scleroderma
 - d) lichen planus of nails
101. The antitubercular drug contra indicated in a child of three years is
- a) isoniazid
 - b) rifampicin
 - c) streptomycin
 - d) ethambutol
102. Commonest cause of viral gastroenteritis in infants and children is
- a) rota virus
 - b) norwalk virus
 - c) adenovirus
 - d) astrovirus

103. Pendred syndrome is characterized by
- a) deafness and goiter
 - b) blindness and dwarfism
 - c) gigantism and deafness
 - d) goiter and blindness
104. A 50-year old lady with generalized bone pains and symmetrical incomplete fractures of the femoral neck shows abnormal tetracycline labeling of bone biopsy. She is most likely suffering from
- a) multiple metastases
 - b) osteomalacia
 - c) osteoporosis
 - d) Paget's disease
105. The period of mixed dentition is the age interval between
- a) 3 to 5 years
 - b) 6 to 11 years
 - c) 9 to 14 years
 - d) 12 to 17 years
106. In a patient with chronic diarrhea, normal fecal fat is seen in
- a) pancreatic insufficiency
 - b) malabsorption syndrome
 - c) bacterial over growth
 - d) lactose intolerance
107. The following is an immune-mediated reaction to halothane
- a) shivering
 - b) myocardial depression
 - c) renal failure
 - d) hepatitis
108. Pharmacological closure of patent ductus arteriosus in a premature infant is by administration of
- a) Aspirin
 - b) Estrogen
 - c) Ibuprofen
 - d) Prednisolone

109. The velocity of conduction in the Purkinje fibers of the specialized heart conducting system is
- a) 1 m/sec
 - b) 4 m/sec
 - c) 6 m/sec
 - d) 8 m/sec
110. Panretinal photocoagulation is done with
- a) carbondioxide laser
 - b) neodymium YAG laser
 - c) excimer laser
 - d) diode laser
111. Ca 125 levels are **NOT** raised in
- a) Teratoma
 - b) Endometriosis
 - c) Pelvic inflammatory disease
 - d) Pelvic tuberculosis
112. Botulinum toxin causes paralysis by
- a) inhibiting choline acetyltransferase
 - b) blocking transport of choline into neurons
 - c) blocking release of acetylcholine from storage vesicles
 - d) inhibiting acetylcholinesterase
113. The activation of caspases is likely to lead to
- a) apoptotic cell death
 - b) blood coagulation
 - c) mitotic cell division
 - d) G1 to S phase of cell cycle
114. Which one of the following does not occur with peripheral (labyrinthine) vertigo ?
- a) Tinnitus and deafness
 - b) Horizontal nystagmus
 - c) Vertical nystagmus
 - d) Unidirectional nystagmus

115. Vegetative/biological symptoms of depression include all of the following **EXCEPT**
- a) decreased sleep
 - b) decreased appetite
 - c) negative cognitions
 - d) decreased libido
116. Testicular biopsy specimens are preserved in
- a) formalin
 - b) hypertonic saline
 - c) Bouins solution
 - d) distilled water
117. A patient present at the OPD with recurrent episodes of breathlessness and wheezing which worsened on exposure to dust and on taking Aspirin. The most appropriate investigation to confirm the diagnosis is
- a) allergy testing
 - b) eosinophil count
 - c) spirometry
 - d) chest X-Ray
118. All are causes of leucocoria **EXCEPT**
- a) retinoblastoma
 - b) congenital cataract
 - c) persistent hyperplastic primary vitreous
 - d) congenital glaucoma
119. Umbilical cord is a derivative of
- a) allantoic diverticulum
 - b) neural crest cell
 - c) notochord
 - d) connecting stalk
120. The lesion most characteristic of HIV associated nephropathy is
- a) Lipoid Nephrosis
 - b) Focal segmental glomerulosclerosis
 - c) Chronic glomerulonephritis
 - d) Ig A Nephropathy

121. All of the following are probabilistic methods of sampling **EXCEPT**
- a) cluster sampling
 - b) stratified sampling
 - c) PPS sampling
 - d) snowball sampling
122. Which of the following is staged as 'T4' breast cancer in the current TNM staging ?
- a) satellite nodules
 - b) nipple retraction
 - c) skin dimpling over the tumor
 - d) pectoral muscle fixity
123. An indirect acting cholinomimetic that readily enters the CNS is
- a) bethanechol
 - b) neostigmine
 - c) physostigmine
 - d) nicotine
124. Gastrointestinal stromal tumor is diagnosed by over expression of
- a) c-ras
 - b) c-myc
 - c) c-src
 - d) c-kit
125. Bilateral and symmetrical periosteal reaction is seen in which of the following conditions ?
- a) osteomyelitis
 - b) seronegative arthritides
 - c) thyroid acropachy
 - d) metastases
126. Which one of the following procedures, requires the least technical skill and poses the lowest risk for fetal loss ?
- a) fetoscopy
 - b) chorionic villus sampling (CVS)
 - c) fetal biopsy
 - d) amniocentesis

127. Neovascular glaucoma occurs in
- a) centralretinal vein occlusion
 - b) uveitis
 - c) siderosis bulbi
 - d) concussion injury
128. Iodine enters the thyroid cells by
- a) endocytosis
 - b) passive transport
 - c) symport
 - d) primary action transport
129. In patients with hepatic disease, the anti-tubercular drug which does **NOT** require a dose adjustment is
- a) isoniazid
 - b) rifampicin
 - c) pyrazinamide
 - d) ethambutol
130. Which of the following drugs is capable of crossing blood brain barrier ?
- a) neostigmine
 - b) glycopyrrolate
 - c) edrophonium
 - d) physostigmine
131. Haab striae are seen in
- a) congenital glaucoma
 - b) birth trauma
 - c) keratoconus
 - d) pseudoexfoliation glaucoma
132. The technique for identifying DNA fragments by DNA : DNA hybridization is
- a) southern blotting
 - b) northern blotting
 - c) western blotting
 - d) immuno blotting

133. On vaginal examination, anterior fontanelle and supra orbital ridge are felt in the second stage of labour. The presentation is
- a) Face presentation
 - b) Deflexed Head
 - c) Flexed Head
 - d) Brow Presentation
134. Crescent formation is a prominent feature of
- a) Alport syndrome
 - b) Berger disease
 - c) Lipoid Nephrosis
 - d) Rapidly progressive glomerulonephritis
135. Which of the following syndromes is associated with bronchiectasis ?
- a) Kallmann's syndrome
 - b) Kartagener's syndrome
 - c) Kostmann's syndrome
 - d) Klinefelter syndrome
136. Tuberculosis of the spine most commonly affects which of the following bones around the hip ?
- a) Head of femur
 - b) Roof of the acetabulum
 - c) Greater trochanter
 - d) Lesser trochanter
137. In a 20 year old girl with nulliparous prolapse, the treatment of choice is
- a) Manchester operation
 - b) Vaginal hysterectomy
 - c) Sling operation
 - d) Vaginal Pessary
138. Saccharin test is done to assess
- a) Ciliary function
 - b) Blood sugar
 - c) Bronchial secretion
 - d) Kidney function

139. Indications for dialysis in acute renal failure are all **EXCEPT**

- a) metabolic acidosis
- b) fluid overload
- c) hypertension
- d) hyperkalemia

140. While testing Latissimus dorsi power you will offer passive resistance to which movement ?

- a) Upward and outward
- b) Upward and inward
- c) Downward and forward
- d) Downward and backward

141. Demographic pattern in India resembles a

- a) pyramid
- b) barrel
- c) pillar
- d) dumb bell

142. Adductor pollicis muscle is supplied by

- a) ulnar nerve
- b) median nerve
- c) anterior interosseous nerve
- d) radial nerve

143. Viruses belonging to which of the following group are likely to establish latent infection ?

- a) influenza viruses
- b) pox viruses
- c) filo viruses
- d) herpes viruses

144. Which of these muscle relaxants is eliminated almost exclusively via the kidney ?

- a) pancuronium
- b) gallamine
- c) d- tubocurarine
- d) metocurine

145. Ectopia lentis is seen in all the following conditions **EXCEPT**
- a) Marfan's syndrome
 - b) Homocystinuria
 - c) Weil Marchesani syndrome
 - d) Paget's disease
146. The defective chromosome in achondroplasia is
- a) 3p
 - b) 4p
 - c) 6p
 - d) 8p
147. Indicator of viral replication in Hepatitis B infection is
- a) HbsAg
 - b) HbeAg
 - c) IgM anti HBc
 - d) Anti Hbe
148. The ridges on fingers and hands are studded with microscopic pores, formed by mouths of ducts of sub-epidermal sweat glands. Each millimeter of a ridge contains
- a) 4 to 8 pores
 - b) 9 to 18 pores
 - c) 20 to 28 pores
 - d) 25 to 30 pores
149. Dosage of folate for prevention of recurrence of neural tube defects is
- a) 50µg
 - b) 500µg
 - c) 5mg
 - d) 500mg
150. Heliotrope rash is characteristic of
- a) systemic lupus erythematosus
 - b) dermatomyositis
 - c) scleroderma
 - d) rheumatoid arthritis

151. The most frequent non sporing anaerobic bacilli isolated from clinical specimens is
- a) bacteroides fragilis
 - b) bacteroides vulgatus
 - c) prevotella melaninogénica
 - d) fusobacterium nucleatum
152. Bagassosis can be prevented by spraying the bagasse with 2%
- a) propionic acid
 - b) hydrochloric acid
 - c) lactic acid
 - d) nitric acid
153. Which one is chloride channel disease ?
- a) Myotonia congenita
 - b) Paromyotonia congenita
 - c) Hypokalemic paralysis
 - d) Hyperkalemic paralysis
154. The best investigation to distinguish a dilated renal pelvis without obstruction from pelviureteral junction obstruction is
- a) ultrasound
 - b) radionuclide diuretic renogram
 - c) intravenous urogram
 - d) contrast enhanced computed tomogram
155. Drug induced parkinsonism is treated with
- a) anticholinergic drugs
 - b) levo-dopa
 - c) dopamine blocker drugs
 - d) beta blocker drugs
156. Mallory bodies are seen in all **EXCEPT**
- a) alcoholic hepatitis
 - b) primary biliary cirrhosis
 - c) Wilson's disease
 - d) drug induced hepatitis

157. Graham Steel murmur may be heard in which of the following valvular lesions ?
- a) Mitral regurgitation
 - b) Mitral stenosis
 - c) Aortic stenosis
 - d) Aortic regurgitation
158. Target lesions are characteristics of
- a) dermatitis herpetiformis
 - b) sulpha drug reaction
 - c) lichen planus
 - d) erythema multiformis
159. Prions are infectious agents consisting of
- a) a single DNA chain
 - b) a pair of DNA chains
 - c) a single RNA chain
 - d) a single protein molecule
160. Mallory bodies are derived from
- a) Cytokeratin
 - b) Desmin
 - c) Laminin
 - d) Vimentin
161. Risk factors for the development of endometrial carcinoma are all **EXCEPT**
- a) exogenous oestrogens
 - b) progestogens
 - c) tamoxifen therapy
 - d) endometrial hyperplasia
162. Glomerular Filtration Rate (GFR) of a child approximates that of an adult by
- a) 8 months of age
 - b) 3 years of age
 - c) 5 years of age
 - d) 8 years of age

163. In myocardial infarction, creatine kinase (CK-MB) returns to normal levels in
- a) less than 24 hrs
 - b) 24 – 48 hrs
 - c) 48 – 72 hrs
 - d) 3 – 5 days
164. Montelukast acts to reduce symptoms in bronchial asthma by
- a) inhibition of leukotriene synthesis
 - b) inhibition of leukotriene receptors
 - c) inhibition of the enzyme 5-lipoxygenase
 - d) stimulation of the enzyme 5-lipoxygenase
165. Progressive unilateral sensorineural deafness with mild vertigo is characteristically seen in
- a) Meniere's disease
 - b) BPPV
 - c) vestibular neuronitis
 - d) acoustic nerve schwannoma
166. Treatment of raised intracranial pressure is most quickly achieved by
- a) elevating the foot end of the bed
 - b) endotracheal intubation and hyperventilation
 - c) oral acetazolamide
 - d) lowering systemic blood pressure
167. Elimination of which of the following muscle relaxants depends LEAST on renal functions ?
- a) metocurine
 - b) pancuronium
 - c) vecuronium
 - d) tubocurarine
168. Respiratory failure is defined as
- a) $\text{PaO}_2 < 60 \text{ mm Hg}$ and $\text{PaCO}_2 < 45 \text{ mm Hg}$
 - b) $\text{SaO}_2 < 90\%$ mm Hg and $\text{PaCO}_2 < 45 \text{ mm Hg}$
 - c) $\text{PaO}_2 < 60 \text{ mm Hg}$ or $\text{PaCO}_2 > 45 \text{ mm Hg}$
 - d) $\text{PaO}_2 < 60 \text{ mm Hg}$ and $\text{PaCO}_2 > 45 \text{ mm Hg}$

169. An ideal 'Intra Uterine Devices' candidate is one who has
- a) not borne any child
 - b) polygamous relationship
 - c) irregular menstrual periods
 - d) no history of pelvic disease
170. Chronic cluster headache is efficiently controlled with
- a) propranolol
 - b) amitriptyline
 - c) lithium
 - d) perchlorperazine
171. Comedones are seen in
- a) pityriasis
 - b) lichen planus
 - c) adenoma seaceum
 - d) acne vulgaris
172. Sulfonamides may lead to kernicterus in infants by displacing which molecule that is normally bound to albumin ?
- a) Copper
 - b) Testosterone
 - c) Fatty acids
 - d) Bilirubin
173. Cell of origin hairy cell leukemia is
- a) B cell
 - b) T cell
 - c) NK cell
 - d) Dendritic reticulum cell
174. The limiting aminoacid in wheat is
- a) lysine
 - b) tryptophan
 - c) methionone
 - d) isoleucine

175. Poncet's disease is due to
- a) brucellosis
 - b) borreliosis
 - c) histoplasmosis
 - d) tuberculosis.
176. Which of the following is **NOT** a pure germ cell tumor
- a) gonadoblastoma
 - b) yolk sac tumor
 - c) choriocarcinoma
 - d) seminoma
177. Syndrome characterized by an elaborate delusion that patient is passionately loved by another person is also known as
- a) ekbom's syndrome
 - b) de Clerambault's syndrome
 - c) querulous paranoia
 - d) othello syndrome
178. In sickle cell anemia, the mutational event responsible for the mutation of β chain is
- a) crossing over
 - b) point mutation
 - c) insertion
 - d) deletion
179. Treatment of choice for unsafe CSOM in adult is
- a) tympanoplasty
 - b) cortical mastoidectomy
 - c) radical mastoidectomy
 - d) modified radical mastoidectomy
180. The risk of transmission of HIV infection from a pregnant mother to her child before birth is
- a) less than 20%
 - b) 20-30%
 - c) 50-60%
 - d) more than 70%

D

32

S

SPACE FOR ROUGH WORK