

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO**

Test Booklet Series

T. B. C. : AS - 18

**A**

**TEST BOOKLET**  
MEDICAL OFFICER  
(ASSISTANT SURGEON)

Sl. No. **2549**

**Time Allowed : 3 Hours**

**Maximum Marks : 200**

**: INSTRUCTIONS TO CANDIDATES :**

1. 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 OF THE SAME SERIES ISSUED TO YOU.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D, AS THE CASE MAY BE, IN THE APPROPRIATE PLACE IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
3. You have to enter your **Roll No.** on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. **YOU ARE REQUIRED TO FILL UP & DARKEN ROLL NO., TEST BOOKLET / QUESTION BOOKLET SERIES IN THE ANSWER SHEET AS WELL AS FILL UP TEST BOOKLET / QUESTION BOOKLET SERIES AND SERIAL NO. AND ANSWER SHEET SERIAL NO. IN THE ATTENDANCE SHEET CAREFULLY. WRONGLY FILLED UP ANSWER SHEETS ARE LIABLE FOR REJECTION AT THE RISK OF THE CANDIDATE.**
5. This Test Booklet contains 200 items (questions). Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE** response (answer) for each item (question).
6. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet.
7. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. **There will be no negative markings for wrong answers.**
8. Before you proceed to mark (darken) in the Answer Sheet the responses to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions sent to you with your **Admission Certificate**.
9. After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the *Answer Sheet* issued to you. You are allowed to take with you the candidate's copy / second page of the Answer Sheet along with the **Test Booklet**, after completion of the examination, for your reference.
10. Sheets for rough work are appended in the Test Booklet at the end.

**SEAL**

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO**

1. In transverse section through superior mediastinum which structure is NOT seen ?
  - (A) Arch of aorta
  - (B) Superior vena cava
  - (C) Oesophagus
  - (D) Left atrium
  
2. Atherosclerotic occlusion of which of the following arteries would result in insufficient perfusion of the urinary bladder ?
  - (A) External iliac
  - (B) Inferior epigastric
  - (C) Internal iliac
  - (D) Internal pudendal
  
3. The following statements are true for great saphenous vein except :
  - (A) Travels with the saphenous nerve
  - (B) Passes posterior to the medial malleolus
  - (C) Ascends along the medial aspect of leg and thigh
  - (D) Empties into the femoral vein
  
4. If breast carcinoma invades the retromammary space and pectoral fascia, contraction of which muscle may cause the whole breast to move superiorly.
  - (A) Pectoralis major
  - (B) Pectoralis minor
  - (C) Serratus anterior
  - (D) 2nd to 6th intercostal muscles
  
5. Cauda equina syndrome is characterized by all EXCEPT :
  - (A) Saddle anaesthesia
  - (B) Dissociate anaesthesia
  - (C) Asymmetric areflexic paraplegia
  - (D) Bowel and bladder disturbances
  
6. Melatonin secretion would probably not be increased by :
  - (A) Stimulation of superior cervical ganglia
  - (B) Intravenous infusion of tryptophan
  - (C) Intravenous infusion of epinephrine
  - (D) Stimulation of the optic nerve
  
7. A young woman has puffy skin and a hoarse voice. Her plasma TSH concentration is low but increases markedly when she is given TRH. She probably has :
  - (A) Hypothyroidism due to a thyroid tumor
  - (B) Hypothyroidism due to a primary abnormality in the thyroid gland
  - (C) Hypothyroidism due to a primary abnormality in the pituitary gland
  - (D) Hypothyroidism due to primary abnormality in the hypothalamus

8. Glucagon increases glycogenolysis in liver cells but ACTH does not because :
- (A) Cortisol increases the plasma glucose level
  - (B) Liver cells have an adenylyl cyclase different from that in adrenocortical cells
  - (C) ACTH can not enter the nucleus of liver cells
  - (D) Membrane of liver cells contain receptors different from those in adrenocortical cells
9. Drugs and toxins that increase the CAMP content of intestinal mucosa cause diarrhea because they :
- (A) Increase  $K^+$  secretion into colon
  - (B) Inhibit  $K^+$  absorption in crypts of Lieberkuhn
  - (C) Increase  $Na^+$  absorption in small intestine
  - (D) Increase  $Cl^-$  secretion into intestinal lumen
10. The work performed by left ventricle is substantially greater than that performed by right ventricle, because in the left ventricle :
- (A) Wall is thicker
  - (B) Stroke volume is greater
  - (C) Preload is greater
  - (D) After load is greater
11. Proteins targeted for destruction in eukaryotes are covalently linked to :
- (A) Clathrin
  - (B) Pepsin
  - (C) Laminin
  - (D) Ubiquitin
12. An example of a tumour suppressor gene is :
- (A) Myc
  - (B) Fos
  - (C) Ras
  - (D) Rb
13. All is true about glutathione except :
- (A) It is a tripeptide
  - (B) It converts hemoglobin to methemoglobin
  - (C) It conjugates xenobiotics
  - (D) It scavenges free radicals and superoxide ions
14. The amino acid carboxylated by vitamin K is :
- (A) Aspartate
  - (B) Glutamate
  - (C) Histidine
  - (D) Proline

15. Which one of the following is a membrane bound enzyme that catalyzes the formation of cyclicAMP from ATP ?
- (A) Tyrosine Kinase  
(B) Polymerase  
(C) Adenylate cyclase  
(D) ATP synthase
16. Which of the following is responsible for Alzheimer's disease ?
- (A) PrP<sub>SC</sub> Protein  
(B) PrP<sub>C</sub> Protein  
(C) Amyloid  $\beta$   
(D) Parkin
17. Action on Nitric oxide is mediated through:
- (A) cGMP  
(B) cAMP  
(C) Ca<sup>++</sup>  
(D) Diacylglycerol
18. Which of the following laboratory tests will be useful in patients of primary hypothyroidism ?
- (A) Estimation of T3  
(B) Estimation of T4  
(C) Estimation of TBG  
(D) Detection of auto-antibodies
19. The lipoprotein with fastest electrophoretic mobility and lowest triglyceride content is :
- (A) VLDL  
(B) IDL  
(C) LDL  
(D) HDL
20. Hemolytic anemia in patients taking anti-malarial drug primaquine can be attributable to the deficiency of :
- (A) Glycogen phosphorylase  
(B) Glyceraldehyde 3-phosphate dehydrogenase  
(C) Glucose 6-phosphate dehydrogenase  
(D) Glucose 6-phosphatase
21. Anticholinesterate agent with selective effect on neuromuscular junction is :
- (A) Neostigmin  
(B) Physostigmin  
(C) Parathione  
(D) None of the above
22. Toxicity by loading dose is least seen on :
- (A) Liver  
(B) Kidney  
(C) Brain  
(D) Muscle
23. Pinocytosis is typically absent in capillary endothelium of :
- (A) Liver  
(B) Kidney  
(C) Brain  
(D) Muscle

24. Major role in regulation of coronary blood flow is played by :
- (A) Acetylcholine
  - (B) Noradrenaline
  - (C) Adenosine
  - (D) All of the above
25. In designing long term drug dosing schedule, the most important concept is :
- (A) Bioavailability
  - (B) Apparent volume of distribution
  - (C) Clearance
  - (D) All are equally important
26. Celiprolol is :
- (A) Both alfa and beta adrenoceptor blocker
  - (B) Selective beta-1 blocker
  - (C) Non-selective beta blocker
  - (D) Beta-1 blocker and Beta-2 agonist
27. Order of receptors stimulated by increasing Dopamine concentration is :
- (A) Dopamine-1, beta-1, alfa-1
  - (B) Dopamine-1, alfa-1, beta-1
  - (C) Alfa-1, dopamine-1, beta-1
  - (D) Beta-1, dopamine-1, alfa-1
28. Paracetamol toxicity include :
- (A) Metabolic acidosis
  - (B) Prolonged bleeding time
  - (C) Both (A) and (B)
  - (D) None of the above
29. Thiazide does not induce increased :
- (A) Uric acid excretion
  - (B) Potassium excretion
  - (C) Chloride excretion
  - (D) Calcium reabsorption
30. Antiepileptic mechanism of phenytoin involves :
- (A) Promoting open state of chloride channel
  - (B) Glutamate antagonism
  - (C) Delaying recovery of inactive sodium channel
  - (D) All of the above
31. In an adult patient bleeding time is observed to be prolonged [12 minutes] tests for which of the following needs to be immediately performed ?
- (A) Extrinsic pathway clotting defect
  - (B) Intrinsic pathway clotting defect
  - (C) Platelet function/count
  - (D) Fibrinogen activity/level
32. Lines of Zahn help pathologist in the identification / diagnosis of :
- (A) Thrombus
  - (B) Layers in tissue Infarct
  - (C) Post-mortem clot
  - (D) Zones of Gangrene

33. Sections from Brain Specimen of an aged female showed evidences of fat embolism, she likely suffered from :
- (A) Head injury
  - (B) Long bone fracture
  - (C) Drowning
  - (D) Fat necrosis of Pancreas
34. Heart-failure Cells in the tissue section are diagnostic of the following :
- (A) CVC Lung
  - (B) CVC Heart
  - (C) CVC Liver
  - (D) CVC Brain
35. Haemophilia is linked with the Chromosome :
- (A) Chromosome 3
  - (B) Chromosome 16
  - (C) Chromosome X
  - (D) Chromosome Y
36. Rosette formations are the characteristic feature of :
- (A) Dysgerminoma
  - (B) Melanoma
  - (C) Small-cell lymphoma
  - (D) Retinoblastoma
37. Myasthenia gravis is commonly associated with :
- (A) Parathyroid Adenoma
  - (B) Thyroid Carcinoma
  - (C) Thymoma
  - (D) Basophilic Adenoma
38. Findings in a patient having Hb-6 gm%, TLC - 1200/cumm, Platelet count - 60,000/cumm, MCV - 12fl are suggestive of diagnosis of :
- (A) Aplastic Anaemia
  - (B) Megaloblastic Anaemia
  - (C) PNH
  - (D) Myelofibrosis
39. Aschoff's nodules are the diagnostic features of the following disease :
- (A) Sub-acute bacterial Endocarditis
  - (B) Rheumatic Carditis
  - (C) Libman Sacks Endocarditis
  - (D) Thrombotic Endocarditis
40. Patient of kidney disease is diagnosed to be presenting with Oliguria if urinary output is :
- (A) Less than 20 ml/24 hours
  - (B) Less than 40 ml/24 hours
  - (C) Less than 400 ml/24 hours
  - (D) Less than 800 ml/24 hours
41. Prozone phenomenon is a feature in :
- (A) Tularemia
  - (B) Legionnaire's disease
  - (C) Plague
  - (D) Brucellosis

42. Minimum Inhibitory Concentration (MIC) can be calculated by all of the following antibiotic sensitivity methods **except** :
- (A) Epsilometer test
  - (B) Agar dilution method
  - (C) Kirby Bauer's disk diffusion method
  - (D) Broth dilution method
43. Suckling mice is used for isolation of :
- (A) Coxsackie virus
  - (B) Herpes virus
  - (C) Pox virus
  - (D) Adenovirus
44. Both Intracytoplasmic and Intranuclear inclusions are seen in :
- (A) Herpes virus
  - (B) Adeno virus
  - (C) Measles virus
  - (D) HIV virus
45. Varicella-zoster remains latent in :
- (A) Lymphocytes
  - (B) Monocytes
  - (C) Trigeminal ganglion
  - (D) Plasma cells
46. Antigenic variation seen in which of the following ?
- (A) Influenza virus
  - (B) Hepatitis virus
  - (C) Yellow fever virus
  - (D) Leptospira
47. In Japanese encephalitis, pigs act as :
- (A) Definitive host
  - (B) Amplifier host
  - (C) Intermediate host
  - (D) Any of the above
48. Hepatitis A virus can be inactivated by :
- (A) Boiling over 120°C over 1 minute
  - (B) Ether
  - (C) Chloroform
  - (D) Iodine
49. Important feature of AIDS is :
- (A) Follicular tonsillitis
  - (B) Lichen planus
  - (C) Oral candidiasis
  - (D) Mitotic lesions of the oral cavity
50. Malarial parasite – which statement is false regarding communicability ?
- (A) The gametocytes appear in blood 4-6 days after a sexual phase in *P. vivax*.
  - (B) The gametocytes appear in blood 10-12 days after a sexual phase in *P. falciparum*.
  - (C) The number of gametocytes increases in blood with time.
  - (D) The number of gametocytes increases by 1000 times.

51. Which one of the following is not followed in India ?
- (A) Recording a dying declaration
  - (B) Recording a dying deposition
  - (C) Conducting a policy inquest
  - (D) Conducting a magistrate's inquest
52. Vesicles in ante-mortem burn are differentiated from post-mortem burn by the presence of:
- (A) Chloride
  - (B) Albuminous fluid and chloride
  - (C) Plasma and WBC in fluid
  - (D) Air
53. Somatic death is said to occur when:
- (A) All individual cells of the person die
  - (B) The person is dead clinically, although many of his individual cells may still be functional
  - (C) The heart stops beating permanently
  - (D) The person is on artificial life support system
54. Gang rape has been defined in India law as :
- (A) Rape committed on a woman by a member of a criminal gang
  - (B) Rape committed by a member in order to induce the woman to join their gang
  - (C) A rape by more than one in a group of persons acting in furtherance of their common intention
  - (D) Rape followed by killing of the woman
55. Pus formation in a lacerated wound takes place within :
- (A) 6 to 13 hours
  - (B) 12 to 24 hours
  - (C) 36 to 48 hours
  - (D) 7 to 10 days
56. The greater cornu of hyoid bone unites with the body :
- (A) Between 10 to 20 years
  - (B) Between 20 to 30 years
  - (C) Between 30 to 40 years
  - (D) Between 40 to 60 years
57. Which of the following sign will indicate that the menstrual blood was ante-mortem ?
- (A) Alkaline
  - (B) Light pink
  - (C) Does not clot unless mixed with seminal fluid
  - (D) Shows endometrial and vaginal cells
58. 'Brush burn' is :
- (A) An abrasion
  - (B) An electric burn
  - (C) A chemical burn
  - (D) None of the above



59. For virological examination, the tissue is preserved usually in :
- (A) 10% formalin
  - (B) 50% glycerine
  - (C) Rectified spirit
  - (D) Saturated solution of sodium chloride
60. In a suspected case of air embolism, search for embolism is to be done in :
- (A) Circle of wills
  - (B) Meningeal vessels
  - (C) Abdominal aorta
  - (D) Right ventricle of heart
61. There is narcotic abuse case with jet black tongue. The cause is :
- (A) Cocaine poisoning
  - (B) Morphine poisoning
  - (C) Cannabis toxicity
  - (D) LSD poisoning
62. In Rokitansky technique of post-mortem :
- (A) Organs are removed one by one
  - (B) In-situ dissection is done
  - (C) Thoracic and cervical organs, abdominal organs and the organs of urogenital systems are removed as separate organ blocks
  - (D) Thoracic, cervical, abdominal and pelvic organs are removed as one large organ block
63. Post-mortem luminescence in a decaying body is due to :
- (A) Entamoeba coli
  - (B) Armillaria mellea
  - (C) Clostridium welchii
  - (D) Formation of methane
64. To develop cyanosis, minimum percentage reduced haemoglobin should be more than :
- (A) 11 gm%
  - (B) 3 gm%
  - (C) 5 gm%
  - (D) 7 gm%
65. Exposure and abandonment of child less than 12 years of age by his parents may lead to their prosecution under Section :
- (A) 301 IPC
  - (B) 317 IPC
  - (C) 318 IPC
  - (D) 363 IPC
66. Which of the following is the most logical sequence ?
- (A) Impairment-Disease-Disability-Handicap
  - (B) Disease-Impairment-Disability-Handicap
  - (C) Disease-Impairment-Handicap-Disability
  - (D) Disease-Handicap-Impairment-Disability

67. Screening test for detection of carcinoma of cervix is which level of prevention ?
- Primordial
  - Primary
  - Secondary
  - Tertiary
68. The distance from airport or seaport which has to be kept free from all types of mosquitoes is :
- 400 m
  - 500 m
  - 1 km
  - 100 m
69. Number of air changes in a living room per hour should be at least :
- 2 – 3
  - 3 – 4
  - 4 – 5
  - 5 – 6
70. Acculturation means :
- Culture contact
  - Study of the various cultures
  - Cultural history of health and disease
  - None of the above
71. Argemone oil contamination of mustard oil can be detected by :
- Phosphatase test
  - Nitric acid test
  - Coliform test
  - Methylene blue test
72. Ujjawala Scheme is for prevention of :
- Child abuse
  - Child trafficking
  - Child labour
  - Child marriage
73. Kishori Shakti Yojana (KSY) is :
- Empowerment of females under Maternity Benefit Scheme
  - Adolescent girl's scheme under ICDS
  - Free and compulsory education for girl child
  - Child care home scheme for female juvenile delinquents
74. Maximum recommended number of students in a school class room is :
- 30
  - 35
  - 40
  - 50
75. In India maximum maternal mortality is due to :
- Hemorrhage
  - Anemia
  - Abortion
  - Sepsis

76. Disinfecting action of chlorine on water is mainly due to :
- Hydrogen chloride
  - Hypochlorous acid
  - Hypochlorite ions
  - Hydrogen ions
77. The number of live births per 1000 women in the reproductive age group in a given year refers to :
- Total Fertility Rate
  - Gross Reproduction Rate
  - Net Reproduction Rate
  - General Fertility Rate
78. All are true about Janani Shishu Suraksha Karyakram (JSSK), except :
- Free diet to mother during hospital stay
  - Free delivery
  - Free transport from home to hospital and back
  - Free treatment of sick infants upto 1 year
79. According to Suraksha Clinic in National AIDS Control Program, person coming with lower abdominal pain, the color code of kit in treatment is :
- White
  - Yellow
  - Green
  - Grey
80. Which of the following is didactic method of health communication ?
- Group discussion
  - Workshop
  - Lecture
  - Panel discussion
81. Followings are the modified sebaceous glands, **EXCEPT** :
- Bartholin's glands
  - Mammary glands
  - Meibomian glands in eyes
  - Tyson's glands of prepuce
82. Which of the following is **NOT** a constituent of sebum ?
- Cholesterol esters
  - Glycogen
  - Glycerides
  - Wax esters
83. Herpes virus group cause following diseases, **EXCEPT** :
- Chicken pox
  - Cytomegalovirus infection
  - Infectious Mononucleosis
  - Molluscum contagiosum
84. Candida albicans is associated with :
- Benign migratory glossitis
  - Median rhomboid glossitis
  - Fissured tongue
  - Fordyce spots

85. Receptors for IgE are present on :  
 (A) Basophils  
 (B) Eosinophils  
 (C) Plasma cell  
 (D) Polymorphs
86. Patient with a metallic foreign body in eye, which investigation is contraindicated ?  
 (A) MRI  
 (B) USG  
 (C) X-RAY  
 (D) CT SCAN
87. All of them emit radiation except :  
 (A) CT SCAN  
 (B) X-RAYS  
 (C) Intravenous Pyelography  
 (D) Ultrasound
88. Most radiodense tissue in the body is :  
 (A) Fluid  
 (B) Brain  
 (C) Soft tissue  
 (D) Bone
89. The Magnetic field in a MRI is measured in :  
 (A) Hounsfield unit  
 (B) MHz  
 (C) Tesla  
 (D) None of the above
90. T1, T2 IMAGES are the features of which diagnostic modality ?  
 (A) USG  
 (B) MRI  
 (C) CT SCAN  
 (D) Radiography
91. Choose the most effective mechanical device for cleaning concave interdental surfaces of teeth :  
 (A) Conventional tooth brushes  
 (B) Powered tooth brushes  
 (C) Triangular tooth picks  
 (D) Interdental brushes
92. Interproximal necrosis, ulceration, pain and bleeding are the significant criteria used in the clinical diagnosis of :  
 (A) Lichen Planus  
 (B) ANUG  
 (C) Gingival enlargement  
 (D) Chronic infectious periodontal disease
93. The predominant cell type in gingival (crevicular) fluid is the :  
 (A) Mast cell  
 (B) Plasma cell  
 (C) Macrophage  
 (D) PMN leukocyte
94. Important diagnostic tool for achieving accurate implant angulation :  
 (A) Diagnostic template  
 (B) Wax up  
 (C) Mounted diagnostic cast  
 (D) Surgical template
95. Facebow is used to transfer :  
 (A) Axis orbital plane  
 (B) Frankfort horizon plane  
 (C) Camper's plane  
 (D) Occlusal plane

96. The antibody most specific for Systemic Lupus Erythematosus is :  
 (A) Anti RNA  
 (B) Anti SS-DNA  
 (C) Anti DS-DNA  
 (D) Anti Sm antibody
97. Raised intracranial tension is indicated by :  
 (A) Hypotension and bradycardia  
 (B) Hypotension and tachycardia  
 (C) Hypertension and bradycardia  
 (D) Hypertension and tachycardia
98. Patients with hereditary spherocytosis are more prone to develop :  
 (A) Malabsorption  
 (B) Recurrent UTI  
 (C) Malaria  
 (D) Gall stones
99. The adult hemoglobin consists of the following chains :  
 (A)  $2\alpha + 2\beta$   
 (B)  $2\alpha + 2\delta$   
 (C)  $2\beta + 2\delta$   
 (D)  $2\alpha + 2\gamma$
100. Mononeuritis multiplex is seen with :  
 (A) Leprosy  
 (B) Syphilis  
 (C) GB syndrome  
 (D) Vitamin B12 deficiency
101. A patient presents to the medical emergency with features of urinary retention, tachycardia and dry mouth after ingestion of an unidentified substance. The most likely etiology of poisoning in this patient is due to :  
 (A) Quinine  
 (B) Opioids  
 (C) Organophosphorous compounds  
 (D) Dhatura
102. Spike and dome pattern on an EEG is the characteristic of :  
 (A) Petit mal seizures  
 (B) Grand mal seizures  
 (C) Temporal lobe epilepsy  
 (D) Absence seizures
103. Keratoderma blenorrhagica is pathognomonic of :  
 (A) Behcet's disease  
 (B) Reiter's syndrome  
 (C) Lyme's disease  
 (D) Glucogonoma
104. Drug of choice for the treatment of Pneumocystis jiroveci pneumonia is :  
 (A) Ceftriaxone  
 (B) Gentamicin  
 (C) Cotrimoxazole  
 (D) Azithromycin
105. Lactic acidosis is a recognized adverse effect of which of the following antiretroviral agents ?  
 (A) Nevirapine  
 (B) Efavirenz  
 (C) Stavudine  
 (D) Lopinavir

106. Chloroma is associated with which of the following conditions ?
- (A) Dehydration
  - (B) Melanoma
  - (C) Myeloid leukemia
  - (D) Wilm's tumour
107. The volume of air taken into the lungs during normal breathing is called :
- (A) Vital capacity
  - (B) Inspiratory reserve volume
  - (C) Tidal volume
  - (D) Maximum inspiratory capacity
108. The commonest site of a hypertensive intracranial bleed is :
- (A) Thalamus
  - (B) Putamen
  - (C) Frontal lobe
  - (D) Pons
109. Heberden's nodes are seen in :
- (A) Acute rheumatic fever
  - (B) Rheumatoid arthritis
  - (C) Osteoarthritis
  - (D) Infective endocarditis
110. Mee's lines are seen in the nails in poisoning due to :
- (A) Lead
  - (B) Arsenic
  - (C) Mercury
  - (D) Copper
111. The silhouette sign on a chest skiagram is seen in disease of the :
- (A) Right lower lobe
  - (B) Lingual
  - (C) Left upper lobe
  - (D) Right middle lobe
112. The drug of choice for the treatment of cerebral malaria in a pregnant woman is :
- (A) Chloroquin
  - (B) Mefloquin
  - (C) Quinine
  - (D) Pyrimethamine sulfadoxine
113. The presence of bronchial breath sounds and aegophony in a patient with pericardial effusion is called :
- (A) Levine sign
  - (B) Kussmaul sign
  - (C) Ewart's sign
  - (D) Hill's sign
114. The most common causative organism of acute infective endocarditis is :
- (A) Staphylococcus sp.
  - (B) Streptococcus viridans
  - (C) Enterococci
  - (D) Gram negative bacteria
115. Wernicke's encephalopathy is due to the deficiency of :
- (A) Niacin
  - (B) Folate
  - (C) Vitamin B12
  - (D) Thiamine
116. Throughout the world the commonest cause of ill health is :
- (A) Malignant disease
  - (B) Disease due to infection
  - (C) Malnutrition
  - (D) Degenerative arterial disease

117. Neonates are particularly susceptible to:
- (A) Scarlet fever
  - (B) Measles
  - (C) Whooping-cough
  - (D) Rubella
118. The most common cause of acute circulatory failure (shock) is:
- (A) Bacteraemia
  - (B) Massive pulmonary embolism
  - (C) Loss of fluid
  - (D) Myocardial infarction
119. During pregnancy significant cardiac disease is suggested by:
- (A) Increasing breathlessness between the 12th and 24th week
  - (B) Tachycardia
  - (C) A fall in diastolic pressure
  - (D) Displacement of the apex beat to the left
120. An acute attack of migraine can be relieved or aborted by the early administration of:
- (A) Methysergide
  - (B) Ergotamine tartrate
  - (C) Diazepam
  - (D) Reserpine
121. Upper to lower segment ratio of a normal newborn is:
- (A) 1.3 : 1.0
  - (B) 1.5 : 1.0
  - (C) 1.7 : 1.0
  - (D) 1.9 : 1.0
122. A child of 24 months can make tower of:
- (A) 4 cubes
  - (B) 7 cubes
  - (C) 9 cubes
  - (D) 10 cubes
123. A child copies a circle by:
- (A) 2 years
  - (B) 2½ years
  - (C) 3 years
  - (D) 4 years
124. The fetal hemoglobin (HbF) is:
- (A) Alpha2 Beta2
  - (B) Alpha2 Epsilon2
  - (C) Alpha2 Delta2
  - (D) Alpha2 Gamma2
125. Children with pica are at increased risk of intoxication with:
- (A) Copper
  - (B) Iron
  - (C) Mercury
  - (D) Lead
126. Which among the following tissues of the body exhibit maximum rate of growth between 4 and 8 years of age?
- (A) Brain
  - (B) Gonads
  - (C) Muscles
  - (D) Lymphoid tissue

127. In iron deficiency state, earliest to decrease is :
- (A) Hemoglobin
  - (B) Hematocrit
  - (C) Serum iron
  - (D) Serum ferritin
128. Myocarditis as a complication of diphtheria generally occurs by :
- (A) 2nd week
  - (B) 3rd week
  - (C) 4th week
  - (D) 5th week
129. "Double Bubble" sign is the characteristic of :
- (A) Oesophageal atresia
  - (B) Duodenal atresia
  - (C) Ileal atresia
  - (D) Pyloric stenosis
130. Deficiency of \_\_\_\_\_ is responsible for neonatal seizure.
- (A) Vitamin B1
  - (B) Vitamin B12
  - (C) Pyridoxine
  - (D) Vitamin E
131. The following are the abdominal complications of Peritonitis except :
- (A) Residual abscess
  - (B) Inflammatory mass
  - (C) Portal Pyaemia
  - (D) Overactive bowel
132. Secondary haemorrhage occurs after :
- (A) 1 day
  - (B) 3 days
  - (C) 5 days
  - (D) 7 days
133. The damage control surgery includes all except :
- (A) Arrest haemorrhage
  - (B) Control Sepsis
  - (C) Protect from further injury
  - (D) Definitive repair
134. The following complications from massive blood transfusion may occur except :
- (A) Hyperthermia
  - (B) Hypothermia
  - (C) Hypokalaemia
  - (D) Hyperkalaemia
135. All the statements about gas gangrene are correct except :
- (A) Immunocompromised patients are at risk
  - (B) Smell is not characteristic
  - (C) Gas is characteristic
  - (D) Caused by C-perfringens
136. The high risk lesion associate with malignant transformation in oral cavity is :
- (A) Oral lichenplanus
  - (B) Syphilitic glossitis
  - (C) Oral Submucous fibrosis
  - (D) Erythroplakia



137. The features of Pelvic abscess are all except:
- (A) Tachycardia
  - (B) Malaise
  - (C) Swinging Pyrexia
  - (D) Generalised abdominal tenderness
138. All are crystalloid solutions except:
- (A) Ringer's lactate
  - (B) Hartmann's solution
  - (C) Albumen
  - (D) Normal saline
139. The Universal precautions include all except:
- (A) Use of protective eye wear
  - (B) Use of boots
  - (C) Wearing double gloves
  - (D) All sharp instruments to be kept in one dish
140. The cause of Exudate Ascites is:
- (A) Nephrotic Syndrome
  - (B) Chylous Ascites
  - (C) Cirrhosis
  - (D) Malnutrition
141. Ludwig's angina is:
- (A) Inflammation of Submandibular region
  - (B) Tuberculous cervical lymphadenitis
  - (C) Actinomycosis of cervical lymph nodes
  - (D) Reactive hyperplasia of cervical lymph nodes
142. The following statements about Mesenteric cyst are correct except:
- (A) Cyst occurs most commonly in children
  - (B) It is twice as common in women as in men
  - (C) The most common presentation is of a painless abdominal swelling
  - (D) There is a zone of resonance around the cyst
143. Wolfe grafts are:
- (A) Split thickness skin grafts
  - (B) Full thickness skin grafts
  - (C) Local flaps
  - (D) Distant flaps
144. Intravenous fluid resuscitation is required in children who sustained thermal burn injury with total body surface area of at least:
- (A) 10%
  - (B) 20%
  - (C) 30%
  - (D) 40%
145. The treatment of Keloid includes all except:
- (A) Pressure by local moulds
  - (B) Excision and steroid infection
  - (C) Laser
  - (D) Vitamin A

146. The Parkland formula for fluid therapy for 24 hours in burn patients is :
- (A) Total percentage body surface area  $\times$  wt(kg)  $\times$  2 = Volume (ml)
  - (B) Total percentage body surface area  $\times$  wt(kg)  $\times$  4 = Volume (ml)
  - (C) Total percentage body surface area  $\times$  wt(kg)  $\times$  6 = Volume (ml)
  - (D) Total percentage body surface area  $\times$  wt(kg)  $\times$  8 = Volume (ml)
147. The complication of parotidectomy is :
- (A) Sialadenosis
  - (B) Sarcoidosis
  - (C) Sialococle
  - (D) Sialadenitis
148. Meleney's Synergistic gangrene occurs in :
- (A) Limb
  - (B) Scrotum
  - (C) Breast
  - (D) Abdominal wall
149. One of the component of systemic inflammatory response syndrome is :
- (A) Hypothermia ( $< 36^{\circ}\text{C}$ )
  - (B) Respiratory rate 16/min
  - (C) Pulse rate 80/min
  - (D) White cell count  $5 \times 10^9/\text{L}$
150. Warthin's tumour is :
- (A) Pleomorphic adenoma
  - (B) Lymphangioma
  - (C) Adenolymphoma
  - (D) Acinic cell carcinoma
151. All are the cardinal features of osteoarthritis except :
- (A) Progressive cartilage destruction
  - (B) Sclerosis of surrounding bone
  - (C) Capsular fibrosis
  - (D) Intraarticular cyst formation
152. All are true about osteoarthrosis except :
- (A) Gradual onset
  - (B) Reduced activity on scintigraphy
  - (C) Self limiting
  - (D) Focal changes on MRI
153. All are the factors adversely affecting the bone mass except :
- (A) Early onset menopause
  - (B) Long term medication with antiepileptics
  - (C) Smoking
  - (D) Long term intake of bisphosphonates
154. One of the following is not a feature of Osteomalacia :
- (A) Looser's zone
  - (B) Muscle weakness
  - (C) Decreased alkaline phosphatase
  - (D) Decreased serum phosphorus

155. It is not a feature of Renal Osteodystrophy:
- (A) Epiphyseolysis
  - (B) Osteosclerosis in axial skeleton
  - (C) Rigger-Jersey spine
  - (D) Hypophosphataemia
156. One of the following is not a feature of Osteogenesis imperfecta:
- (A) Fragility fracture
  - (B) Blue sclerae
  - (C) Crumbling teeth
  - (D) Osteosclerosis
157. Chondrocalcinosis is not seen in:
- (A) Hyperparathyroidism
  - (B) Haemochromatosis
  - (C) Alkaptonuria
  - (D) Gout
158. Spontaneous osteonecrosis of knee is not characterized by:
- (A) Involves elderly people
  - (B) Females are victim
  - (C) Osteoporosis
  - (D) Involvement of lateral femoral condyle
159. Intramembranous periosteal new bone formation occurs as a response to periosteal stripping due to:
- (A) Tumour
  - (B) Trauma
  - (C) Infection
  - (D) Degenerative arthritis
160. Parathyroid Hormone:
- (A) Secretion increases due to fall in serum calcium
  - (B) Directly increases absorption of calcium from intestine
  - (C) Controls hydroxylation of Vit. D metabolites in kidney
  - (D) Promotes osteoelastic bone resorption
161. X-Ray Paranasal sinus Caldwell view is best for visualization of which paranasal sinus?
- (A) Maxillary sinus
  - (B) Frontal sinus
  - (C) Sphenoid sinus
  - (D) Ethmoid sinus
162. Which one of the following is not an elastic cartilage?
- (A) Epiglottis
  - (B) Vocal process of arytenoids
  - (C) Apex of arytenoids
  - (D) Cuneiform cartilage
163. A 12 year old post op tonsillectomy patient comes to ENT clinic with fever and bleeding from tonsillectomy site at 10th post op day. The next line of management is:
- (A) Immediately post for surgical exploration for bleeding site and cauterize
  - (B) Admit the patient and start on broad spectrum iv antibiotics
  - (C) External cold compression with ice pack, if uncontrolled then exploration
  - (D) Mouth gargle with hydrogen peroxide

164. Gradenigo's syndrome consists of all except:
- (A) Retro-orbital pain
  - (B) Proptosis
  - (C) Strabismus
  - (D) Profuse otorrhoea
165. Superior laryngeal nerve supplies:
- (A) Motor supply for Cricothyroid muscle
  - (B) Sensory supply for larynx below vocal cord
  - (C) Motor supply to thyroarytenoid
  - (D) Sensory supply to thyroid perichondrium
166. Which of the following is contra-indicated in primary glaucoma?
- (A) Atropine
  - (B) Pilocarpine
  - (C) Adrenaline
  - (D) Eserine
167. A newborn is invariably:
- (A) Hypermetropic
  - (B) Myopic
  - (C) Astigmatic
  - (D) Aphakic
168. In retinoscopy using a plane mirror at 1 meter distance, when the mirror is tilted to the right the shadow in the pupil moves to the left in:
- (A) Hypermetropia
  - (B) Myopia more than - 1 D
  - (C) Emmetropia
  - (D) Myopia less than - 1 D
169. LASIK stands for:
- (A) Laser augmented in situ keratomileusis
  - (B) Laser assisted in situ keratomileusis
  - (C) Light amplified in situ keratomileusis
  - (D) Light assisted in situ keratomileusis
170. Cherry red spot occurs in all EXCEPT:
- (A) Central Retinal Vein Occlusion
  - (B) Central Retinal Artery Occlusion
  - (C) Tay-sach's disease
  - (D) Neimann-Pick disease
171. The diagnostic technique of choice for placental localization is:
- (A) Ultrasonography
  - (B) MRI
  - (C) CT Scan
  - (D) Color Doppler Flow Study
172. The following method is used for diagnosing fetal anaemia in Rh incompatibility:
- (A) Fetal MCA Doppler
  - (B) Fetal ductus venosus Doppler
  - (C) Uterine artery Doppler
  - (D) Umbilical artery Doppler
173. One of the following is NOT a complication of transverse life:
- (A) Arm prolapse
  - (B) Cord prolapse
  - (C) Shoulder dystocia
  - (D) Obstructed labor

174. Risk of persistent Gestational Trophoblastic Disease (GTD) for complete mole is :
- (A) 1% – 5%
  - (B) 5% – 10%
  - (C) 10% – 15%
  - (D) 15% – 20%
175. One of the following is **NOT** a predictor of successful VBAC :
- (A) Fetal birth weight
  - (B) Amount of liquor
  - (C) Prior vaginal delivery
  - (D) Non recurring indication of previous caesarean section
176. The following drug is contraindicated during pregnancy :
- (A) Labetalol
  - (B) Nifedipine
  - (C) Enalapril
  - (D) Hydralazine
177. One of the following is **NOT** a complication of preeclampsia :
- (A) Acute kidney injury
  - (B) Abruptio placentae
  - (C) HELLP Syndrome
  - (D) Polyhydramnios
178. One of the following statements about atonic PPH is **WRONG** :
- (A) Multiparity is a risk factor
  - (B) Active management of third stage of labor reduces the blood loss
  - (C) Total hysterectomy with bilateral salpingo-oophorectomy is the treatment of choice
  - (D) Uterine artery embolization is one of the methods for controlling PPH
179. Sinusoidal fetal heart rate is observed in the following condition :
- (A) Post date pregnancy
  - (B) Preterm fetus
  - (C) Fetal anaemia
  - (D) Anencephalic fetus
180. Congenital anomalies are more common in the following conditions **Except** :
- (A) Breech presentation
  - (B) Maternal diabetes
  - (C) Maternal hypertension
  - (D) Twins
181. The secondary mound is formed in the female breast in Tanner stage :
- (A) I
  - (B) II
  - (C) III
  - (D) IV
182. One of the following conditions is **NOT** responsible for ulcerative lesions on the vulva :
- (A) Human papillomavirus infection
  - (B) Syphilis
  - (C) Genital herpes
  - (D) Granuloma inguinale

183. One of the following is **NOT** an indication for Intra Uterine Insemination (IUI):
- (A) Oligospermia
  - (B) Unexplained infertility
  - (C) Premature ovarian failure
  - (D) Premature ejaculation
184. One of the following is a contraindication for methotrexate in ectopic pregnancy:
- (A) Gestational sac 3 cm – 5 cm
  - (B) Unruptured ectopic pregnancy
  - (C) Cervical pregnancy
  - (D) Heterotopic pregnancy
185. Serum FSH is increased in the following condition:
- (A) Hyperprolactinemia
  - (B) Turner Syndrome
  - (C) Delayed menarchae
  - (D) Anorexia Nervosa
186. One of the following is **NOT** a sequelae of PCOS:
- (A) Endometrial cancer
  - (B) Ovarian cancer
  - (C) Breast cancer
  - (D) Diabetes
187. The following statement about dermoid cyst of the ovary is **FALSE**:
- (A) 5% – 10% of all cystic tumors
  - (B) Frequently associated with mucinous cystadenoma
  - (C) Common in young girls (<20 years)
  - (D) Epidermoid carcinoma can occur in <2%
188. One of the following is **NOT** used for treating pre-invasive lesions of the cervix:
- (A) Cryosurgery
  - (B) Hysterectomy
  - (C) Conization
  - (D) Chemoradiation
189. One of the following is **NOT** an indication for Colposcopy:
- (A) High grade squamous intraepithelial lesion (HSIL)
  - (B) VIA positive
  - (C) Abnormal vulvar area
  - (D) Growth on the cervix
190. In endometrial carcinoma the serosa of the uterus is involved in FIGO stage:
- (A) II – A
  - (B) III – A
  - (C) I – B
  - (D) III – C
191. In a Respiratory cycle, at the end of Inspiration:
- (A) The Intrapleural Pressure is most negative
  - (B) Alveolar Pressure is greater than Atmospheric Pressure
  - (C) The air flow reaches the Peak
  - (D) The Alveolar Pressure is around + 5 cm H<sub>2</sub>O

192. Which of the following is FALSE regarding Atropine ?
- (A) May cause bradycardia
  - (B) Has a shorter duration of action than glycopyrolate
  - (C) Increases the Anatomical dead space
  - (D) Have both muscarinic and nicotinic effects
193. Which of the following is TRUE regarding Desflurane ?
- (A) Is 17 times more potent than Sevoflurane
  - (B) Is eliminated faster than Nitrous Oxide
  - (C) Is safe to use in patients with Malignant Hyperthermia
  - (D) Require a TEC 7 vaporiser for delivery of inhalational agent
194. Which of the following is NOT an inhalational anaesthetic delivery system ?
- (A) Aladin Cassette
  - (B) DIVA
  - (C) AnaConDa
  - (D) Lucas system
195. The 'CE' symbol noted in an endotracheal tube denotes :
- (A) Conformittae Essentias
  - (B) Electromagnetic Compatible
  - (C) Conformite Europeene
  - (D) Certified Export
196. In Korsakoff Syndrome, pathological lesions are found in :
- (A) Caudate nucleus
  - (B) Mamillary bodies
  - (C) Nucleus basalis of meynert
  - (D) Medial septal nucleus
197. The lesions of dorsolateral prefrontal cortex produce :
- (A) Apathetic syndrome
  - (B) Euphoric syndrome
  - (C) Akinetic syndrome
  - (D) Parkinson's disease
198. A neuron utilizes the same neurotransmitter at all its terminals is called :
- (A) Dale's principle
  - (B) Kindling effect
  - (C) Flooding
  - (D) Operant Conditioning
199. Negative views regarding oneself, the world and the future is called :
- (A) Cognitive triad
  - (B) Covert sensitization
  - (C) Implosion
  - (D) Mania
200. In phototherapy, the patient is exposed to a bright artificial light source daily for about :
- (A) One hour before dawn
  - (B) Four hours before dawn
  - (C) Three hours before dawn
  - (D) Two hours before dawn



SPACE FOR ROUGH WORK

SEAL