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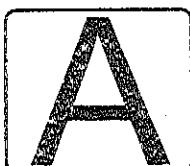
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OPSC
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DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

Test Booklet Series



T. B. C. : IMO - 17/18

TEST BOOKLET
INSURANCE MEDICAL OFFICER

SI. No. 1557

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.

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

1. The muscle which receives nerve supply from the femoral nerve is :
 - (A) Gracilis
 - (B) Semimembranosus
 - (C) Vastus medialis
 - (D) Tibialis posterior
 2. The abnormal development of mullerian duct or para mesonephric duct which is associated with a septate vagina, two cervices and two discrete uteri each with one tube is called as :
 - (A) Didelphine uterus
 - (B) Septate uterus
 - (C) Bicornuate uterus
 - (D) Unicornuate uterus
 3. The bare area of the liver is located in the :
 - (A) Superior surface
 - (B) Inferior surface
 - (C) Right surface
 - (D) Posterior surface
 4. The anatomical apex of the heart is formed by :
 - (A) Right atrium
 - (B) Right ventricle
 - (C) Left atrium
 - (D) Left ventricle
 5. The nerve which pierces the sphenomandibular ligament is :
 - (A) Nerve to mylohyoid
 - (B) Mental nerve
 - (C) Inferior alveolar nerve
 - (D) Deep temporal nerve
6. Odorant receptors are :
 - (A) Located in the olfactory bulb
 - (B) Located in the dendrites of mitral and tufted cells
 - (C) Located on the neurons in the olfactory epithelium
 - (D) Located on the sustentacular cells that project to the olfactory bulb
 7. The complement activation is the function of :
 - (A) $I_g G$ and $I_g A$
 - (B) $I_g M$ and $I_g E$
 - (C) $I_g G$ and $I_g M$
 - (D) $I_g E$ and $I_g A$
 8. Which of the following is not true about pulmonary surfactant ?
 - (A) It is a complex mixture of several phospholipids, proteins and ions
 - (B) It contains dipalmitoyl-phosphatidylcholine
 - (C) It is responsible for reducing the surface tension within the alveoli
 - (D) It is produced by the type II alpha endothelial cells

9. Which of the following organ has the most permeable capillaries ?
(A) Brain
(B) Posterior pituitary gland
(C) Liver
(D) Small intestine
10. Which of the following organ has the greatest blood flow / 100 gm of tissue ?
(A) Brain
(B) Heart muscle
(C) Liver
(D) Kidneys
11. An increased anion gap is associated with :
(A) Respiratory acidosis
(B) Respiratory alkalosis
(C) Metabolic acidosis
(D) Metabolic alkalosis
12. Which of the following enzyme is stable at acid pH ?
(A) Chymotrypsin
(B) Trypsin
(C) Pepsin
(D) Carboxypeptidase
13. Which of the following is responsible for Alzheimer's disease ?
(A) PrP_{Sc} Protein
(B) PrP_C Protein
(C) Amyloid β
(D) Parkin
14. Fluoride, used in the collection of blood sample for the glucose estimation, inhibits the enzyme :
(A) Glucokinase
(B) Hexokinase
(C) Enolase
(D) Glucose-6-phosphatase
15. The lipoprotein with fastest electrophoretic mobility and lowest triglyceride content is :
(A) VLDL
(B) IDL
(C) LDL
(D) HDL
16. Hemolytic anemia in patients taking anti-malarial drug primaquine can be attributable to deficiency of :
(A) Glycogen phosphorylase
(B) Glyceraldehyde 3-phosphate dehydrogenase
(C) Glucose 6-phosphate dehydrogenase
(D) Glucose 6-phosphatase
17. A competitive inhibitor of an enzyme :
(A) Decreases Km without affecting V_{max}
(B) Increases Km without affecting V_{max}
(C) Increases V_{max} without affecting Km
(D) Decreases both V_{max} and Km

18. Fetal blood has higher affinity for oxygen than adult blood because :
- (A) HbF has decreased affinity for 2, 3-BPG
 - (B) HbF has increased affinity for 2, 3-BPG
 - (C) HbA₂ appears early in fetal life
 - (D) Iron remains in ferric form in HbF
19. The buffering capacity of a buffer is maximum at pH equal to :
- (A) 0.5
 - (B) pKa
 - (C) pKa + 1
 - (D) 2pKa
20. Antimycin A is an inhibitor of :
- (A) Complex I
 - (B) Complex II
 - (C) Complex III
 - (D) Complex IV
21. Indication of vasopressin is :
- (A) Diabetes mellitus
 - (B) Pituitary diabetes insipidus
 - (C) Hypertension
 - (D) Incomplete abortion
22. Tacrine is recommended drug for the treatment of :
- (A) Alzheimer's disease
 - (B) Multiple sclerosis
23. Which of the following is co-stored and co-released with ATP ?
- (A) Epinephrine
 - (B) Norepinephrine
 - (C) Dopamine
 - (D) Aspartate
24. Which of the following groups of patients is most at risk for adverse effect seen in β_2 -blockers ?
- (A) Asthmatics
 - (B) Congestive heart failure patients
 - (C) Trauma patients
 - (D) Diabetics
25. Following drugs stimulate erythropoiesis except :
- (A) Iron dextran
 - (B) Vitamin B₁₂
 - (C) Methotrexate
 - (D) Folic acid
26. Gene therapy can be used to treat the following kinds of diseases :
- (A) Hereditary diseases
 - (B) Infectious diseases
 - (C) Cancer
 - (D) Those characterized by a single protein defect

27. Half life ($t_{1/2}$) doesn't depend on :
- (A) Biotransformation
 - (B) Time of drug absorption
 - (C) Concentration of a drug in plasma
 - (D) Rate of drug elimination
28. Which of the following drugs is a thromboxane A₂ receptor (TXA₂) antagonist ?
- (A) Sulotroban
 - (B) Zileuton
 - (C) Zafirlukast
 - (D) Diclofenac
29. The following Indol derivative is used for the treatment of acute migraine attack :
- (A) Paracetamol
 - (B) Metoclopramide
 - (C) Ergotamine
 - (D) Sumatriptan
30. Which of the following organisms develop resistance against antibiotics quickly ?
- (A) Treponema pallidum
 - (B) Meningococcus
 - (C) Escherichia coli
 - (D) Streptomyces pyogenes
31. Swiss cheese pattern endometrioma is seen in :
- (A) Carcinoma endometrium
 - (B) Metropathia haemorrhagica
- (C) Hydatidiform mole
- (D) Halban's disease
32. True about complete (classic) mole is :
- (A) 90% have a 46, xx karyotype
 - (B) Andogenesis
 - (C) Duplication of genetic material of one sperm
 - (D) Arise from fertilisation of a single egg by two sperm
33. Most common ovarian tumor is :
- (A) Serous cystadenoma
 - (B) Chorio Carcinoma
 - (C) Teratoma
 - (D) Fibroma
34. Krukenberg adeno carcinoma of ovary can occur as a result of metastasis from all except :
- (A) Stomach
 - (B) Breast
 - (C) Liver
 - (D) Pancreas
35. Cyclic changes in female breast occur in :
- (A) Adipose tissue
 - (B) Fibrous tissue
 - (C) Papillomatosis
 - (D) None of the above
36. Breast ca with best prognosis :
- (A) Mucinous
 - (B) Medullary
 - (C) Invasive ductal
 - (D) Lobular ca

37. All of the following are invasive carcinoma of breast except :
- (A) Comedo ca
 - (B) Colloid ca
 - (C) Lobular ca
 - (D) Medullary ca
38. Which of the following is most common cause of insulin resistance ?
- (A) Obesity
 - (B) Post receptor defect
 - (C) Liver dysfunction
 - (D) Pancreatic dysfunction
39. Glomus cells are found in :
- (A) Carotid tumor
 - (B) Thyroid carcinoma
 - (C) Liver carcinoma
 - (D) None of the above
40. Commonest thyroid tumor in MEN (Multiple Endocrine Neoplasia) is :
- (A) Follicular
 - (B) Papillary
 - (C) Anaplastic
 - (D) Medullary
41. Bacteria which can grow at temperature between is 25°C and 40°C are known as :
- (A) Mesophiles
 - (B) Psychrophiles
 - (C) Thermophiles
 - (D) None of the above
42. Low redox potential of culture medium is required for the growth of :
- (A) Anaerobic bacteria
- (B) M. Tuberculosis
- (C) Pseudomonas aeruginosa
- (D) None of the above
43. The most widely used disinfectant for Human Immunodeficiency Virus (HIV) infected material is :
- (A) Lysol
 - (B) Hypochlorite solution
 - (C) Formaldehyde
 - (D) Mercuric chloride
44. Which of the following bacteria produce saccharolytic reaction in cooked meat broth (CMB) ?
- (A) Clostridium tetani
 - (B) Clostridium perfringens
 - (C) Pseudomonas aeruginosa
 - (D) None of the above
45. Molecular techniques employed for intraspecies typing of bacteria include :
- (A) Southern blotting
 - (B) Polymerase chain reactions
 - (C) Nucleotide sequence analysis
 - (D) All of the above
46. Drug resistance in *Mycobacterium tuberculosis* is due to :
- (A) Transformation
 - (B) Conjugation
 - (C) Mutation
 - (D) Transduction

47. The technique of identifying DNA fragments by DNA : DNA hybridisation is called :
- Northern blotting
 - Southern blotting
 - Western blotting
 - None of the above
48. Which toxin can be converted into toxoid by formaldehyde ?
- Exotoxin
 - Endotoxin
 - Both of the above
 - None of the above
49. Clinical or subclinical infections lead to :
- Active natural immunity
 - Active artificial immunity
 - Passive natural immunity
 - Passive artificial immunity
50. All of the following are pilled vaccines except :
- MMR
 - Non-neural vaccines for rabies
 - Salk vaccine
 - Hepatitis 'B' vaccine
51. Pre-auricular sulcus is useful for :
- Age determination
 - Sex determination
 - Race determination
 - Mode of death
52. Dermal nitrate test detects :
- Blood stains
- (B) Gun powder residue
 (C) Nitrate salt poisoning
 (D) Nerve gases poisoning
53. Vesicles in ante-mortem burn are differentiated from post-mortem burn by the presence of :
- Chloride
 - Albuminous fluid and chloride
 - Plasma and WBC in fluid
 - Air
54. Exposure and abandonment of child under 12 years of age by his parents may lead to their prosecution under Section :
- 301 IPC
 - 317 IPC
 - 318 IPC
 - 363 IPC
55. In India, what is usually taken as the age of viability of a child ?
- 168 days
 - 196 days
 - 210 days
 - 280 days
56. Eonism is :
- Sexual gratification by indecent exposure of the genital organs
 - Second gratification by murdering a female
 - Sexual gratification by wearing the clothes of opposite sex
 - Sexual gratification by some articles of females sex e.g. handkerchief

57. Dry drowning is defined as :
- (A) Drowning in sea water
 - (B) Falling in a deep well which has dried
 - (C) Drowning in very cold water with death occurring due to cardiac arrest
 - (D) Drowning where death is due to laryngospasm
58. Death caused due to regurgitation and inhalation of food into the respiratory tract is called :
- (A) Smothering
 - (B) Burking
 - (C) Choking
 - (D) Gagging
59. In a case of throttling which type of abrasions are seen most often over the victim's neck ?
- (A) Graze
 - (B) Pressure
 - (C) Impact
 - (D) Crescentic
60. Which one of the following is not followed in India ?
- (A) Recording a dying declaration
 - (B) Recording a dying deposition
 - (C) Conducting a police inquest
 - (D) Conducting a magistrate's inquest
61. Sensitive indicator of availability, utilization and effectiveness of health care :
- (A) IMR
 - (B) MMR
 - (C) Hospital bed occupancy rate
 - (D) DALY
62. The Medical Termination of Pregnancy Act does not protect act of termination of pregnancies after :
- (A) 20 weeks
 - (B) 24 weeks
 - (C) 28 weeks
 - (D) 30 weeks
63. Mean output of breast milk per day is maximum during the following months of lactation :
- (A) 0-2 months
 - (B) 3-4 months
 - (C) 5-6 months
 - (D) 7-8 months
64. All are included in Kangaroo Mother Care except :
- (A) Skin to skin contact
 - (B) Early discharge and follow up
 - (C) Free nutritional supplements
 - (D) Exclusive breast feeding
65. Xerophthalmia is a problem in a community if the prevalence of Bitot's spots is more than :
- (A) 1%
 - (B) 0.5%
 - (C) 5%
 - (D) 25%

66. Recommended Iodine dose in pregnancy is :
- (A) 15 mcg
 - (B) 100 mcg
 - (C) 150 mcg
 - (D) 250 mcg
67. Most sensitive test for sanguinarine is :
- (A) FeC13
 - (B) Paper chromatography
 - (C) HCl
 - (D) Nitric Acid
68. International food standards include :
- (A) BIS Standards
 - (B) Codex Alimentarius Standards
 - (C) AgMark standards
 - (D) PFA standards
69. The amount sewage flowing in a system in 24 hours is called :
- (A) Sewage rate
 - (B) Dry weather flow
 - (C) RCA index
 - (D) Sludge
70. Soiling index is a measure of :
- (A) Soil pollution
 - (B) Water pollution
 - (C) Noise pollution
 - (D) Air pollution
71. In an epidermal melanin unit, one melanocyte is in contact with how many keratinocytes ?
- (A) 12
 - (B) 24
 - (C) 36
 - (D) 48
72. Psychogenic purpura is also known as :
- (A) Baboon syndrome
 - (B) Henoch-Schoenlein purpura
 - (C) Gardner-Diamond syndrome
 - (D) Purpura fulminans
73. Target antigen in Bullous pemphigoid is :
- (A) BP 230
 - (B) BP 250
 - (C) BP 270
 - (D) BP 290
74. "Clue cells" are a feature of :
- (A) Trichomonas vaginitis
 - (B) Chlamydial urethritis
 - (C) Bacterial vaginosis
 - (D) Gonococcal urethritis
75. Following is not a viral sexually transmitted infection :
- (A) AIDS
 - (B) Genital herpes
 - (C) Granuloma inguinale
 - (D) Condyloma acuminata

76. Which lesion classically shows diffusion restriction in MRI ?
(A) Glioma
(B) Acute Infarct
(C) Demyelination
(D) Meningitis
77. Tram tract calcification is seen in which orbital lesion ?
(A) Pseudotumor
(B) SOV thrombosis
(C) Meningioma
(D) Schwannoma
78. Chest X ray may show all except :
(A) Hilar mass
(B) Cardiomegaly
(C) Pleural effusion
(D) Myocarditis
79. The gestational sac is usually first seen at _____ weeks menstrual age.
(A) 4 weeks
(B) 5 weeks
(C) 6 weeks
(D) 7 weeks
80. Which is NOT a feature of Cleidocranial dysplasia ?
(A) Total or partial absence of clavicle
(B) Thorax is narrow
(C) Fontanelles fuse early
(D) Congenital coxa vara occurs
81. Granular cell myoblastoma is the tumor of :
(A) Jaw bone
(B) Lymph node
(C) Tongue
(D) Buccal mucose
82. Anodontia is associated with :
(A) Ectodermal Dysplasia
(B) Downs Syndrome
(C) Cleft Lip
(D) All of the above
83. Which of the Blood test is important in patients with Anticoagulants ?
(A) BT and CT
(B) Total Platelet Count
(C) APTT
(D) INR
84. Perioral Pigmentation is a feature for :
(A) SLE
(B) Leukemia
(C) Plumber Vinson Syndrome
(D) Hereditary Intestinal Polyposis
85. Which is the common pathogen in Mandibular Osteomyelitis ?
(A) Staphylococcus Aureus
(B) Streptococcus Viridans
(C) Staphylococcus Albus
(D) Streptococcus Mutans

86. All of the following are seen in Horner's syndrome except :
- (A) Miosis
 - (B) Anhidrosis
 - (C) Ptosis
 - (D) Apparent exophthalmos
87. Drug used in both type 1 and type 2 DM :
- (A) Metformin
 - (B) Pramlintide
 - (C) Colselvam
 - (D) Canagliflozin
88. Most common form of diabetic neuropathy is :
- (A) Mononeuropathy multiplex
 - (B) Diabetic polyradiculopathy
 - (C) Autonomic neuropathy
 - (D) Distal symmetric polyneuropathy
89. Not seen in Cushing's syndrome :
- (A) Hypoglycemia
 - (B) Psychosis
 - (C) Hypokalemia
 - (D) Hypertension
90. The most common type of lung carcinoma in non-smokers is :
- (A) Squamous cell carcinoma
 - (B) Adenocarcinoma
 - (C) Small cell carcinoma
 - (D) Bronchial adenoma
91. Burkitt's lymphoma is associated with :
- (A) t(8 : 14)
 - (B) t(11 : 14)
 - (C) t(14 : 18)
 - (D) t(15 : 17)
92. $pH = 7.31$, $pCO_2 = 33$ mm Hg and $HCO_3 = 16$ meq/dl, primary abnormality is :
- (A) Metabolic acidosis
 - (B) Metabolic alkalosis
 - (C) Respiratory acidosis
 - (D) Respiratory alkalosis
93. Osmotic demyelination syndrome develops due to :
- (A) Rapid correction of hyponatremia
 - (B) Rapid correction of hypokalemia
 - (C) Rapid correction of hypernatremia
 - (D) Rapid correction of hyperkalemia
94. Most common extra renal manifestation of ADPKD :
- (A) Berry aneurysms
 - (B) Hepatic cysts
 - (C) Colonic diverticulosis
 - (D) MVP

95. Positive D-xylene test indicates :
- (A) Pancreatic insufficiency
 - (B) Lipid malabsorption
 - (C) Impaired carbohydrate absorption in small intestine
 - (D) Impaired protein Malabsorption
96. Bony erosion are seen in the following except :
- (A) Gout
 - (B) Psoriasis
 - (C) SLE
 - (D) Osteoarthritis
97. Reversibility in asthma is demonstrated by :
- (A) > 12% and 200 ml increase in FEV1 15 min after an inhaled short acting B2 agonist
 - (B) > 15% and 400 ml increase in FEV1 30 min after an inhaled short acting B2 agonist
 - (C) > 12% and 500 ml increase in FEV1 30 ml after an inhaled short acting B2 agonist
 - (D) > 15% and 500 ml increase in FEV1 15 min after an inhaled short acting B2 agonist
98. Most common cause of Malignant Spinal Cord Compression (MSCC) is :
- (A) Multiple myeloma
 - (B) Lung cancer
 - (C) Lymphoma
 - (D) Melanoma
99. True about fibrolamellar HCC is :
- (A) Older males most commonly affected
 - (B) High levels of serum AFP are common
 - (C) Neurotensin levels in blood is typically elevated
 - (D) Early Portal vein invasion is the characteristic feature
100. Most common presentation of extra-pulmonary TB in HIV infected patients is :
- (A) Gastrointestinal TB
 - (B) Tuberculoma
 - (C) Caries spine
 - (D) Tuberculous lymphadenitis
101. Treatment for cryptosporidiosis induced diarrhoea in HIV infected patients :
- (A) Albendazole
 - (B) TMP / SMX
 - (C) Nitazoxanide
 - (D) Doxycycline
102. Mid diastolic murmur occurs in the following conditions except :
- (A) Mitral stenosis
 - (B) Aortic stenosis
 - (C) Severe mitral regurgitation
 - (D) Rheumatic carditis

103. Infliximab is :

- (A) IL-6 inhibitor
- (B) IL-17/IL-23 inhibitor
- (C) TNF- α inhibitor
- (D) IL-1 receptor antagonist

104. Which of the following is the screening test for SLE ?

- (A) Anti ds DNA
- (B) Anti histone Ab
- (C) Anti CCP Ab
- (D) ANA

105. Neuropsychiatric manifestations is a known side effect of :

- (A) Lumefantrine
- (B) Artemether
- (C) Mefloquine
- (D) Primaquine

106. Primary hypothyroidism is diagnosed by :

- (A) Low T3, Low T4, Low TSH
- (B) High T3, High T4, Low TSH
- (C) Low T3, Low T4, High TSH
- (D) High T3, High T4, High TSH

107. Hypersegmented neutrophil occurs in :

- (A) Aplastic anemia
- (B) Iron deficiency anemia
- (C) Megaloblastic anemia
- (D) Myelodysplastic syndrome

108. Koplik's spot found in :

- (A) Rubella
- (B) Measles
- (C) Mumps
- (D) Chicken pox

109. Early diastolic murmur occurs in :

- (A) Aortic regurgitation
- (B) Mitral regurgitation
- (C) Aortic stenosis
- (D) Severe mitral stenosis

110. Bouchard's node are seen in :

- (A) Rheumatoid arthritis
- (B) Osteoarthritis
- (C) Ankylosing spondylitis
- (D) Gout

111. Chest infection with which one of the following organisms produce pneumatoceles on Chest X-ray ?

- (A) Streptococci
- (B) Pneumococci
- (C) H. Influenza
- (D) Klebsiella

112. The commonest etiological agent of diarrhoea in children is :

- (A) Vibrio cholera
- (B) E. coli
- (C) Rota virus
- (D) Shigella

113. Celiac disease is most strongly associated with :
- (A) HLA-DQ2
 - (B) HLA-DQ3
 - (C) HLA DR4
 - (D) HLA B7
114. The commonest gene defect in congenital nephrotic syndrome is :
- (A) NPHS 1
 - (B) WT2
 - (C) HOX 11
 - (D) LAMB 3
115. The commonest organism to cause neonatal meningitis is :
- (A) Staphylococcus
 - (B) E. coli
 - (C) H. influenzae
 - (D) Meningococcus
116. Which of the following vitamin deficiency is responsible for neonatal seizures ?
- (A) Pyridoxine
 - (B) Ascorbic acid
 - (C) Thiamine
 - (D) Cobalamine
117. Commonest type of cerebral palsy encountered following bilirubin encephalopathy is ?
- (A) Spastic
 - (B) Choreo-athetoid
 - (C) Atonic
 - (D) Mixed
118. Causes of delayed closure of anterior fontanel are all except :
- (A) Trisomy 21
 - (B) Hypothyroidism
 - (C) Cranio synostosis
 - (D) Osteogenesis imperfecta
119. The drug of first choice in neonatal seizure is :
- (A) Phenobarbital
 - (B) Phenytoin
 - (C) Valproate
 - (D) Levetiracetam
120. The following are considered low risk Acute Lymphoblastic Leukemia except :
- (A) Trisomy 4
 - (B) t(8 : 14) translocation
 - (C) Female sex
 - (D) Trisomy 10
121. All are complications of massive blood transfusion except :
- (A) Hypocalcaemia
 - (B) Hypercalcaemia
 - (C) Hypokalaemia
 - (D) Hyperkalaemia
122. Second most common organ affected by hydatid disease is :
- (A) Brain
 - (B) Liver
 - (C) Lung
 - (D) Muscle

123. All about infantile hypertrophic pyloric stenosis are true except :
- (A) Presents between 2 to 8 weeks
 - (B) Palpable as an olive in right upper quadrant
 - (C) Female to Male ratio is 4 : 1
 - (D) Ramsted's pyloromyotomy is the treatment of choice
124. Rupture of cortical vessels leads to :
- (A) E. D. H.
 - (B) S. D. H.
 - (C) Cerebral contusion
 - (D) Diffuse axonal injury
125. The most common site of fracture of Mandible is :
- (A) Condylar neck
 - (B) Angle of Mandible
 - (C) Body
 - (D) Ramus
126. Gas Gangrene is caused by :
- (A) Clostridium Perfringens
 - (B) Staph. aureus
 - (C) Pseudomonas
 - (D) Bacteroides
127. Guyon's tunnel syndrome is due to compression of :
- (A) Radial nerve
 - (B) Ulnar nerve
 - (C) Median nerve
 - (D) Musculo cutaneous nerve
128. The most common pancreatic neuroendocrine tumor is :
- (A) Gastrinoma
 - (B) Insulinoma
 - (C) Glucagonoma
 - (D) Non-functioning tumour
129. During the surgery of submandibular salivary gland, the nerves at risk are all except :
- (A) Lingual nerve
 - (B) Facial nerve
 - (C) Hypoglossal nerve
 - (D) Glossopharyngeal nerve
130. Non-malignant conditions of breast are all except :
- (A) Fibroadenoma
 - (B) Pagets disease
 - (C) Monders disease
 - (D) Duct ectasia
131. All are true regarding Thyroid malignancy except :
- (A) Most common type is Papillary
 - (B) Frozen section have a wider role
 - (C) Medullary carcinoma produces high levels of CEA
 - (D) Serum thyroglobulin have a role in follow up
132. Mycotic aneurysm is due to :
- (A) Bacteria
 - (B) Virus
 - (C) Fungi
 - (D) Atherosclerosis

133. All are true regarding Hernia except :
- (A) Not all hernias require surgery
 - (B) Small hernias can be more dangerous than large
 - (C) Femoral hernia should always be repaired
 - (D) Light weight meshes weigh <80 gm/meter square
134. Spontaneous perforation of oesophagus is called as :
- (A) Boerhaave syndrome
 - (B) Mallory Weiss syndrome
 - (C) Gardner's syndrome
 - (D) None of the above
135. Mallory weiss syndrome is most commonly seen at :
- (A) Below squamo columnar junction
 - (B) Above squamo columnar junction
 - (C) At squamo columnar junction
 - (D) None of the above
136. Boundaries of hepatobiliary triangle are all except :
- (A) Cystic duct
 - (B) Common hepatic artery
 - (C) Cystic artery
 - (D) Common bile duct
137. Causes of acute pancreatitis are all except :
- (A) Gall stone
- (B) Hypercalcaemia
- (C) Hypocalcaemia
- (D) Mumps
138. All are true regarding Meckels diverticulum except :
- (A) Occurs in 2% of presents
 - (B) 20 cm long
 - (C) Usually seen at 2 feet from ileocaecal valve
 - (D) 20% have heterotopic epithelium
139. Surgery for rectal prolapse are all except :
- (A) Thiersh operation
 - (B) Delormes operation
 - (C) Altemeiers procedure
 - (D) Swenson procedure
140. True regarding varicocele is :
- (A) 90% are right sided
 - (B) Usually symptomatic
 - (C) First line of treatment is embolisation in symptomatic cases
 - (D) No recurrence after surgery
141. Which one of the bone tumours commonly occur at the epiphysis of Bone ?
- (A) Osteoclastoma
 - (B) Osteosarcoma
 - (C) PNET
 - (D) Multiple Myeloma

142. Compartmental Syndrome can occur in :
(A) Fracture Tibia-Fibula
(B) Fracture both bone Forearm
(C) Supracondylar Fracture Humerus
(D) All of the above
143. Total Hip Replacement is done in :
(A) Ankylosis Spondylitis
(B) Rheumatoid Arthritis
(C) Osteoarthritis
(D) All of the above
144. Pathological fracture occurs in which stage of Osteomyelitis ?
(A) Acute
(B) Sub-Acute
(C) Chronic
(D) None of the above
145. Bankart lesion is seen in :
(A) Hip Joint
(B) Shoulder Joint
(C) Knee Joint
(D) Ankle Joint
146. The number of Annular Pulleys seen in one finger is :
(A) Three
(B) Four
(C) Five
(D) Six
147. Kienbock's disease affects which bone ?
(A) Capitate
- (B) Pisiform
(C) Lunate
(D) Talus
148. In posterior dislocation of Hip, the position of limb is :
(A) Flexion, Abduction, Internal Rotation
(B) Extension, Adduction, External Rotation
(C) Only Flexion and Adduction
(D) Flexion, Adduction, Internal Rotation
149. Risser's sign is seen in :
(A) Knee Joint
(B) Hip Joint
(C) Iliac Crest
(D) Elbow joint
150. The strongest supinator in flexion of elbow is :
(A) Supinator
(B) Triceps
(C) Biceps Brachii
(D) Brachioradialis
151. Nasopharyngeal Cancer is linked with :
(A) Cytomegalovirus
(B) Herpes Zoster virus
(C) Epstein bar virus
(D) Rhino virus

152. Presence of Mikulitz cell in histopathology is a hall mark sign of:
- Rhinosporidiosis
 - Rhinoscleroma
 - Leprosy
 - Histoplasmosis
153. The roof of maxillary sinus contains:
- Infra orbital nerve
 - Greater palatine nerve
 - Nasopalatine nerve
 - Anterior ethmoidal nerve
154. Sudden sensori neural deafness is defined as a loss in three contiguous days in the frequency of:
- 20 dB
 - 30 dB
 - 40 dB
 - 50 dB
155. The hearing loss in early stages of Meniere's disease is characteristically:
- Low frequency S. N. H. L.
 - Mid frequency S. N. H. L.
 - High frequency S. N. H. L.
 - All frequencies
156. Corneal staining is done by the following vital stains:
- Iodine
 - Fluorescein
 - Carbolic acid
 - Silver nitrate
157. Pupil is pinpoint in:
- Optic atrophy
- (B) Absolute glaucoma
 (C) Atropine
 (D) Iritis
158. The most accurate method of measuring IOP is:
- Digital
 - Applanation
 - Schiotz
 - Gonioscopy
159. Keratometry is used in the measurement of:
- Length of eyeball
 - Curvature of cornea
 - Diameter of corneazz
 - Thickness of cornea
160. Ciliary congestion is most marked at the:
- Sclera
 - Fornix
 - Bulbar conjunctiva
 - Limbus
161. In a frightened man, the pupil shall:
- Dilate
 - Constrict
 - Remain unaltered
 - First dilate and then constrict
162. The complications of progressive myopia include all except:
- Vitreous degeneration
 - Retinal detachment
 - Cataract
 - Closed angle glaucoma

163. In compound hypermetropic astigmatism :
- (A) Both the foci are in front of retina
 - (B) Both the foci are behind the retina
 - (C) One focus is in front and one focus is behind the retina
 - (D) None of the above
164. Frequent change of presbyopic glasses is an early symptom of :
- (A) Closed angle glaucoma
 - (B) Open angle glaucoma
 - (C) Senile cataract
 - (D) After cataract
165. Second-order neurons in the optic pathway are present in :
- (A) Retina
 - (B) Lateral geniculate body
 - (C) Medial geniculate body
 - (D) Superior colliculus
166. Which of the following is not true about optic neuritis ?
- (A) Visual field defects
 - (B) Afferent pupillary defect
 - (C) Painless eye movements
 - (D) Impaired depth perception
167. Field defect in papilledema is :
- (A) Centro-cecal scotoma
 - (B) Ring scotoma
 - (C) Enlarged blind spots
 - (D) Altitudinal field loss
168. The following is not used for cautery of corneal ulcer :
- (A) Tri-chloro-acetic acid
 - (B) Iodine
 - (C) Carbolic acid
 - (D) Mercurochrome
169. The pigment deposited in Kayser-Fleischer ring is :
- (A) Melanin
 - (B) Haemosiderin
 - (C) Copper
 - (D) None of the above
170. Rupture of Descemet's membrane is seen in :
- (A) Keratoconus
 - (B) Rubella
 - (C) Glaucoma
 - (D) Retinoblastoma
171. One of the following is not a feature of Turner's syndrome :
- (A) Progesterone challenge test is negative
 - (B) FSH is < 5 miu / ml
 - (C) Estadiol is < 25 pgm / ml
 - (D) Streak ovaries
172. The following are the indications for Mirena use except :
- (A) Adenomyosis
 - (B) Endometriosis
 - (C) Abnormal uterine bleeding
 - (D) Submucous fibroid

173. One of the following is not a risk factor for endometrial cancer :
- (A) Nulliparity
 - (B) History of PCOS
 - (C) Early menarche
 - (D) Early menopause
174. Combined estrogen and progesterone pills should be avoided in the first 6 months after delivery because :
- (A) Quantity and quality of mother's milk is reduced
 - (B) Contraceptive efficacy is less
 - (C) Lead to increased incidence of nausea and vomiting
 - (D) Lead to increase in incidence of breast cancer
175. Mirena IUCD contains :
- (A) 32 mg of levonorgestrel
 - (B) 42 mg of levonorgestrel
 - (C) 52 mg of levonorgestrel
 - (D) 62 mg of levonorgestrel
176. One of the following is the contraindication for the use of mifepristone :
- (A) History of migraine
 - (B) History of DVT
 - (C) Patient on glucocorticoid therapy
 - (D) Bronchial asthma
177. The following statement about the use of GnRH analogues for fibroid uterus is false :
- (A) Use for 6 months leads to 50-80% reduction in volume of fibroid
 - (B) Fibroids can grow after stoppage
 - (C) GnRH analogues make enucleation difficult
 - (D) GnRH use can lead to premature menopause
178. MRI guided focussed ultrasound is not used in :
- (A) Calcified fibroid
 - (B) Intramural fibroid
 - (C) Large fibroid
 - (D) More than one fibroid
179. Adenomyosis can be treated by the following methods except :
- (A) Mirena
 - (B) Danazol
 - (C) Combined estrogen progesterone pills
 - (D) Uterine artery embolization
180. One of the following statements is false about HCG :
- (A) It is produced by syncytiotrophoblast
 - (B) Plasma half life is 72 hours
 - (C) It reaches maximum blood levels between 60-70 days of pregnancy
 - (D) It disappears from circulation within 2 weeks following delivery

181. One of the following statements is false about obstetrical outlet :

- (A) It is bounded by plane of least pelvic dimensions and anatomical outlet
- (B) Anterior wall is absent
- (C) Posterior wall is formed by fifth sacral vertebra
- (D) It is oval anteroposteriorly

182. One of the following is not a suggestive feature of a compromised fetus :

- (A) Absent diastolic flow in umbilical artery
- (B) Reversed flow in ductus venosus
- (C) Absent fetal tone
- (D) Increased S/D ratio in middle cerebral artery

183. One of the following statements is false regarding physiology of lactation :

- (A) An intact nerve supply is essential for the growth of mammary glands during pregnancy
- (B) Oxytocin is the major galactokinetic hormone
- (C) Milk secretion actually starts on 3rd-4th post partum day
- (D) Prolactin is the most important galactopoietic hormone

184. One of the following is not a risk factor for ectopic pregnancy :

- (A) History of tubal ligation
- (B) IUCD use
- (C) History of infertility
- (D) History of molar pregnancy

185. The following antihypertensive drug is not safe during pregnancy :

- (A) Labetolol
- (B) Nifedipine
- (C) Hydralazine
- (D) Enalapril

186. Methyl dopa should be avoided in post partum period because it leads to :

- (A) Postural hypotension
- (B) Depression
- (C) Suppression of lactation
- (D) Deep venous thrombosis

187. One of the following statements about care of pregnant woman with severe anemia in labor is false :

- (A) Outlet forceps should be used to cut short second stage
- (B) Intravenous methergine should be given
- (C) Prophylactic antibiotics should be given
- (D) Immediate caesarean section should be done

188. In women with cardia disease the following contraceptive is contraindicated:
- (A) IUCD
 - (B) Combined estrogen and progesterone pills
 - (C) DMPA
 - (D) Sterilization
189. Incidence of scar rupture in lower segment caesarean section is:
- (A) 0.1 – 0.2%
 - (B) 1 – 2%
 - (C) 3 – 4%
 - (D) 5 – 10%
190. One of the following statements about gestational trophoblastic disease is false:
- (A) Ultrasound and serum HCG measurement are the key markers in follow up
 - (B) Placental site trophoblastic disease has low HCG
 - (C) Persistent trophoblastic disease and choriocarcinoma are treated effectively by hysterectomy
 - (D) Hydatiform mole is more prevalent in South East Asia
191. All are adverse effects of when etomidate used induction except:
- (A) Hiccups
- (B) Histamine release
- (C) Myoclonic movements
- (D) Pain on injection
192. All are the features of infant airway except:
- (A) Larynx is funnel shaped
 - (B) Larynx is placed more cephalic in neck
 - (C) Large tongue size in relation to oropharynx
 - (D) Large epiglottis
193. Chest wall rigidity is observed with:
- (A) Fentanyl
 - (B) Tramadol
 - (C) Pentazocine
 - (D) Butorphenol
194. Transient neurologic symptoms following spinal anaesthesia is associated with:
- (A) Lidocaine
 - (B) Tetracaine
 - (C) Levobupivacaine
 - (D) Ropivacaine
195. "Pin index" of cyclopropane gas is:
- (A) 1, 6
 - (B) 2, 6
 - (C) 3, 6
 - (D) 4, 6

196. Stimulus in one sensory modality causes hallucination in other sensory modality is an example of :
- (A) Reflex hallucination
 - (B) Functional hallucination
 - (C) Extra campine hallucination
 - (D) Thought echo
197. Hobby of animal hunting transformed into protection of animals is an example of :
- (A) Denial
 - (B) Reaction formation
 - (C) Projection
 - (D) Regression
198. Psychiatry term was coined by :
- (A) J. C. Reil
- (B) Plato
- (C) Moniz
- (D) Cade
199. Invention of new words or giving a new meaning to the old words is called :
- (A) Tangentiality
 - (B) Neologism
 - (C) Word salad
 - (D) Perseveration
200. Most common type of dementia is :
- (A) Dementia of the Alzheimer's type
 - (B) Frontotemporal Dementia
 - (C) HIVRelated Dementia
 - (D) Vascular Dementia

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