

MEDICAL

PG 2010

Test Admission Ticket No.

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OMR Serial Number

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Question Booklet Version Code

C

(Write this Code on your OMR Answer Sheet)

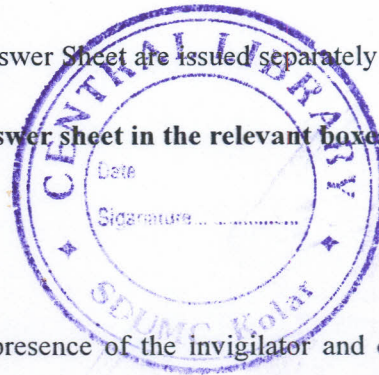
Question Booklet Sr. No.

2159

(Write this number on your Answer Sheet)

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.
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 1. Name
 2. Question Booklet Version Code
 3. Question Booklet Serial Number
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- 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.
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- No Mark/s will be awarded for multiple marking (marking multiple responses) of any question.
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pg 2010

MEDICAL

Question Booklet No.
2153
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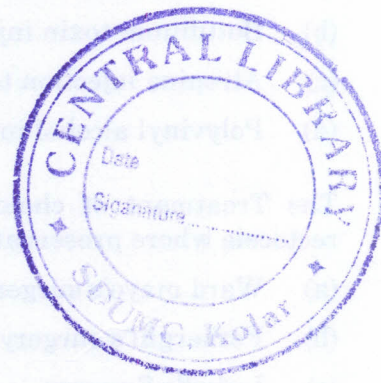
Question Booklet Version Code
C
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DO NOT WRITE HERE

1. Gianotti-Crosti syndrome (papular acrodermatitis of childhood) is a characteristic cutaneous response to
 - (a) Viral infection
 - (b) Bacterial infection
 - (c) Fungal infection
 - (d) Protozoal infection
 2. Venlafaxine is a
 - (a) Serotonin nor-epinephrine reuptake inhibitor
 - (b) Selective serotonin reuptake inhibitor
 - (c) Selective nor-epinephrine reuptake inhibitor
 - (d) Serotonin dopamine antagonist
 3. All are **TRUE** regarding myxomas of heart **EXCEPT**
 - (a) most common type of primary cardiac tumour in all ages
 - (b) tumour plop is a characteristic feature
 - (c) most are located on the left side of interatrial septum
 - (d) surgery is indicated only if tumour size more than 2 cm
 4. Morison's pouch is
 - (a) Left anterior intra peritoneal subphrenic space
 - (b) Left posterior intra peritoneal sub hepatic space
 - (c) Right extra peritoneal subphrenic space
 - (d) Right posterior intra peritoneal sub hepatic space
 5. Good pasture syndrome is characterized by all of the following **EXCEPT**
 - (a) Rapidly progressive glomerulonephritis
 - (b) Autoimmune disease
 - (c) Linear deposit of immunoglobulins and complement
 - (d) Desquamative interstitial pneumonia
 6. $^{14}\text{CO}_2$ bubbled through a suspension of liver cells that was undergoing gluconeogenesis from lactate to glucose, which carbon in the glucose molecule would become radio active?
 - (a) 1st carbon
 - (b) 3rd carbon
 - (c) 6th carbon
 - (d) None
-



7. A young man underwent surgery for a benign parotid tumour. 3 months later he complained of sweating over the parotid region whenever he had food. This can be best treated with
- (a) Gel foam paste injections to the site
 - (b) Botulinum toxin injection to the site
 - (c) Atropine injection to the site
 - (d) Polyvinyl alcohol injection to the site
8. The Treatment of choice in a case of uterine descent associated with cystocele and rectocele where preservation of uterus is desirable
- (a) Ward mayo's surgery
 - (b) Fothergill's surgery
 - (c) Lefort's Surgery
 - (d) Purandare's sling surgery
9. Ortolani's sign in congenital dislocation of HIP is elicited to find out whether joint is
- (a) Dislocated
 - (b) Dislocated and reducible
 - (c) Dislocated and irreducible
 - (d) All of the above
10. Capacitation of the spermatozoa, the final stage of their maturation, occurs in
- (a) Epididymis
 - (b) Seminal vesicles
 - (c) Vas deferens
 - (d) Female genital tract
11. The following is also known as "Knock out Drops" or "Micky Finn"
- (a) Chloroform
 - (b) Methyl alcohol
 - (c) Chloral hydrate
 - (d) Ethylene glycol
12. Triple phosphate stone forms in kidney with
- (a) Normal urine
 - (b) Infected urine
 - (c) Tuberculosis
 - (d) Neoplasia
-

13. Which congenital heart disease is associated with DiGeorge syndrome?
- (a) Aortic arch anomaly
 - (b) Ventricular septal defect
 - (c) Atrial septal defect
 - (d) Mitral valve prolapse
14. "Orphan Annie Eye" nuclei is seen in which thyroid neoplasm
- (a) Follicular carcinoma
 - (b) Papillary carcinoma
 - (c) Medullary carcinoma
 - (d) Follicular adenoma
15. Transplanted heart tissue is destroyed by
- (a) Non specific immunity
 - (b) Suppressor T cells
 - (c) Helper T cells
 - (d) Cytotoxic T cells
16. Adrenocortical suppression is seen with long term infusion of
- (a) Ketamine
 - (b) Thiopentone sodium
 - (c) Remifentanyl
 - (d) Etomidate
17. Triangular three point relation of elbow is maintained in
- (a) Fracture of lateral condyle
 - (b) Anterior dislocation of elbow
 - (c) Supracondylar fracture
 - (d) Posterior dislocation of elbow
18. Von Meyenburg complexes are
- (a) Bile duct choriostomas
 - (b) Bile duct micro hamartomas
 - (c) Metastatic carcinoma
 - (d) Vascular anomaly
-

19. Drug of choice in chronic myeloid leukemia (Chronic Phase) is
- (a) Busulfan
 - (b) Hydroxyurea
 - (c) Interferon alfa
 - (d) Imatinib
20. Pharyngeal strain of group-A streptococcus causing Glomerulonephritis is
- (a) 60
 - (b) 57
 - (c) 49
 - (d) 12
21. A 10 years old boy presents with fever, oliguria and smoky urine. Urine examination reveals presence of RBC casts and mild proteinuria. The most likely underlying renal lesion is
- (a) Acute proliferative glomerulonephritis
 - (b) Chronic glomerulonephritis
 - (c) Membrano proliferative glomerulonephritis
 - (d) Focal segmental glomerulosclerosis
22. All are examples of neurological channelopathies, **EXCEPT**
- (a) Familial hemiplegic migraine
 - (b) Hypokalemic periodic paralysis
 - (c) Paramyotonia congenita
 - (d) Hypercalcemic periodic paralysis
23. A 10-year-old trauma victim with eye opening in response to pain, inappropriate words in response to verbal stimuli, and extension in response to pain has a Glasgow Coma Scale score of
- (a) 3
 - (b) 7
 - (c) 5
 - (d) 12
24. "FRAMINGHAM STUDY" is about
- (a) Risk factors of coronary heart disease
 - (b) Risk factors of schizophrenia
 - (c) Risk factors of diabetes
 - (d) Risk factors of road traffic accidents
-

25. The Dura forming roof of posterior cranial fossa and posterior part of the Falx cerebri supplied by
- (a) Anterior ethmoidal nerve
 - (b) Tentorial nerve
 - (c) Maxillary nerve
 - (d) Glossopharyngeal nerve
26. Breast feeding is contra indicated in
- (a) Maternal hepatitis C infection
 - (b) Maternal CMV megalo virus infection
 - (c) Maternal active untreated tuberculosis
 - (d) Maternal herpes simplex virus
27. In psoriasis, spongiform pustules of Kogoj is formed due to collection of
- (a) Monocytes
 - (b) Basophils
 - (c) Neutrophils
 - (d) Eosinophils
28. Kanavels sign is seen in
- (a) Congenital dislocation of hip
 - (b) Club foot
 - (c) Tenosynovitis of hand
 - (d) Septic arthritis
29. Postmortem calorificity is seen in
- (a) Pontine hemorrhage
 - (b) Myocardial infarction
 - (c) Natural death
 - (d) None of the above
30. All are **TRUE** about WHO growth chart **EXCEPT**
- (a) Its also called road to health
 - (b) It has 4 curves
 - (c) It can be used for both the sexes
 - (d) Direction of growth is more important than position of dots on the line
-

31. A 25 year infertile women's hystero salpingogram shows bilateral fallopian tube block, the treatment of choice is
- (a) Intra uterine insemination (IUI)
 - (b) Invitro fertilization and embryo transfer (IVF & ET)
 - (c) Intra cytoplasmic sperm injection (ICSI)
 - (d) Gamete intra fallopian transfer (GIFT)
32. Ondansetron acts by blocking
- (a) GABA receptors
 - (b) $\mu 1$ receptors
 - (c) $5HT_3$ receptors
 - (d) H_2 receptors
33. Osgood Schlatter disease is osteochondritis involving
- (a) Navicular
 - (b) Tibial tuberosity
 - (c) Calcaneum
 - (d) Capitulum
34. The drug of choice for toxoplasmosis in pregnancy
- (a) Spiramycin
 - (b) Clindamycin
 - (c) Azithromycin
 - (d) Metronidazole
35. Dolhman's procedure is the surgical technique in the treatment of
- (a) Zenker's diverticula
 - (b) Mid thoracic diverticula
 - (c) Pseudodiverticulosis
 - (d) Epiphrenic diverticulosis
36. Automatism are a feature of which of following seizure types
- (a) Simple partial seizure
 - (b) Complex partial seizure
 - (c) Absence seizure
 - (d) Myoclonic seizure
-

37. Serum amylase levels raised in all **EXCEPT**
- (a) Duodenal ulcer perforation
 - (b) Pancreatitis
 - (c) Appendicitis
 - (d) Small bowel strangulation
38. Mucus Cyst of Lip is
- (a) Degeneration Cyst
 - (b) Distension Cyst
 - (c) Retention Cyst
 - (d) None of above
39. At what age frontal sinuses first appear radiologically
- (a) Birth
 - (b) 2 years
 - (c) 4 years
 - (d) 6 years
40. Carcinoid heart disease most often presents as
- (a) Pulmonary regurgitation
 - (b) Tricuspid regurgitation
 - (c) Mitral regurgitation
 - (d) Aortic regurgitation
41. Major contribution to cachexia in advanced cancer is
- (a) Tumor necrosis factor
 - (b) Histamine
 - (c) Bradykinin
 - (d) Interferon
42. In the propagation of a nerve impulse by an electrical signal
- (a) The electrical potential across the membrane maintained by the ATP-driven Na^+ , K^+ ion pump becomes more negative
 - (b) Local depolarization of the membrane causes protein conformational changes in ion channels that allow Na^+ and K^+ to move down their concentration gradients
 - (c) Charge propagation is bidirectional along the axon
 - (d) "Voltage-gated" ion channels have a finite recovery time so the amplitude of the impulse changes as it moves along the axon
-

43. Chancroid is a venereal disease caused by
- (a) Acinetobacter infection
 - (b) Moraxella infection
 - (c) Haemophilus ducreyi infection
 - (d) Pseudomonas aeruginosa infection
44. Subcapsular haematoma of renal trauma is treated by
- (a) Drainage of haematoma
 - (b) Exploration and procedure
 - (c) Nephrectomy
 - (d) Conservative treatment
45. All of the following are **TRUE** about pulmonary alveolar proteinosis **EXCEPT**
- (a) Autoimmune disorder
 - (b) Decreased surfactant
 - (c) Accumulation of proteins and lipids
 - (d) Congenital type is highly fatal
46. A dead body shows rigor mortis all over the body, with greenish discolouration over right iliac fossa. Post mortem stains were fixed. Time since death is
- (a) 16-20 hours
 - (b) 34-38 hours
 - (c) 24-28 hours
 - (d) 6-10 hours
47. In Niemann-Pick disease, the deficient enzyme is sphingomyelinase. Sphingomyelins differ from other sphingolipids in that they are
- (a) Not based on a ceramide core
 - (b) Acidic rather than neutral at physiological pH
 - (c) The only types containing N-acetylneuraminic acid
 - (d) The only types that are phospholipids
48. Ureter run inferiorly from the apices of the renal pelvis at the hila of the kidney, passing over the pelvic brim
- (a) At the bifurcation of common iliac arteries
 - (b) At the union of common iliac veins
 - (c) At sacroiliac Joint inferiorly
 - (d) Internal iliac arteries anteriorly

49. Which Red Blood Cells are used in the Paul-Bunnell test?
- (a) Human
 - (b) Sheep
 - (c) Rabbit
 - (d) Guinea Pig
50. A 50 years old man from North East India with oriental features presented with upper neck swelling which was painless and of two months duration. He was also found to have ipsilateral conductive deafness which was due to secretory otitis media. FNAC of the swelling showed undifferentiated carcinoma and he was found to have raised antibody titres against Epstein Barr Virus. The treatment of choice would be
- (a) Excision of the lymph node + anti viral drugs
 - (b) Radiotherapy to the neck + cisplatin
 - (c) Radiotherapy to entire pharynx + Excision of node
 - (d) Radiotherapy to upper half of pharynx and neck + cisplatin
51. School health services were first started in 1909 in
- (a) Karnataka
 - (b) Baroda
 - (c) West Bengal
 - (d) Delhi
52. Which of this is an X-linked disorder?
- (a) Wilson's disease
 - (b) Hereditary spherocytosis
 - (c) Glucose-6-phosphate dehydrogenase deficiency
 - (d) Polycystic kidney disease
53. Crazy paving pattern on High Resolution Computed Tomography (HRCT) chest is seen in
- (a) Silicosis
 - (b) Asbestosis
 - (c) Coal workers pneumoconiosis
 - (d) Berylliosis
54. The following are subtypes of schizophrenia **EXCEPT**
- (a) Schizotypal
 - (b) Paranoid
 - (c) Hebephrenic
 - (d) Residual
-

55. Typical features of osteosarcoma
- (a) Equal sex incidence
 - (b) 75% of lesions in proximal femur
 - (c) Highly vascular tumor
 - (d) Enzyme cytochemistry of tumor well does not demonstrate alkaline phosphatase
56. Lipoprotein lipase
- (a) Is an intracellular enzyme
 - (b) Is stimulated by cAMP-mediated phosphorylation
 - (c) Functions to mobilize stored triacylglycerols from adipose tissue
 - (d) Is stimulated by one of the apoproteins present in VLDL
57. A married women came for shopping to the town and before going back to her village she wanted a quick MTP. She consulted a gynecologist and termination was performed in a clinic. The patient died while dilating the cervix in hurry. The cause of death is
- (a) Hemorrhagic shock
 - (b) Vagal inhibition
 - (c) Air embolism
 - (d) Myocardial infarction
58. The side to side roux-en-y pancreatico jejunostomy for obstructive pancreatopathy was described by
- (a) Partington and Rochelle
 - (b) Puestow and Gillesby
 - (c) Fry and Child
 - (d) Duval
59. Respiratory problem of prematurity is
- (a) Respiratory distress syndrome
 - (b) Apnea
 - (c) Bronchopulmonary dysplasia
 - (d) All of the above
60. The tumour suppressor gene P53 induces cell arrest at
- (a) G₂ – M phase
 - (b) G₁ – S phase
 - (c) S - G₂ phase
 - (d) S – phase
-

61. Basal Electrical Rhythm (BER) is initiated by
- (a) Interstitial cells of cajal
 - (b) Myenteric Plexuses
 - (c) Meissner's Plexuses
 - (d) Non-Adrenergic Non-Cholinergic fibers
62. "Apple-peel / Christmas tree" deformity is seen in
- (a) Intestinal atresia Type-I
 - (b) Intestinal atresia Type-II
 - (c) Intestinal atresia Type-III A
 - (d) Intestinal atresia Type-III B
63. Maternal serum alpha-fetoprotein (MSAFP) measurement to detect neural tube defects at the earliest is done at
- (a) 14 weeks of gestation
 - (b) 20 weeks of gestation
 - (c) 24 weeks of gestation
 - (d) 28 weeks of gestation
64. Primary Angle Closure Glaucoma occurs in the patients suffering with following type of refractive error
- (a) Myopia
 - (b) Hypermetropia
 - (c) Aphakia
 - (d) None of the above
65. The following are the differential diagnosis of uterine prolapse **EXCEPT**
- (a) Gartner's cyst
 - (b) Chronic inversion
 - (c) Fibroid polyp
 - (d) Dysfunctional uterine bleeding
66. Post-traumatic stress disorder is characterized by the following **EXCEPT**
- (a) Hyper arousal and startle reactions
 - (b) Avoidance of events associated with the trauma
 - (c) Hallucinations and delusions
 - (d) Emotional numbing
-

67. The right subhepatic space is **NOT** bound by
- (a) Second part of duodenum
 - (b) First part of duodenum
 - (c) Right lobe of liver
 - (d) Inferior layer of coronary ligament
68. Which of the following tests is **NEGATIVE** for members of the family enterobacteriaceae?
- (a) Nitrate reduction
 - (b) Oxidase
 - (c) Catalase
 - (d) Urease
69. All are criteria to classify an young infant as having very severe pneumonia, **EXCEPT**
- (a) Abnormally sleepy
 - (b) Severe chest indrawing
 - (c) Stridor in a calm child
 - (d) Wheezing
70. What is the treatment of choice for recurrent CBD stones with multiple strictures in common bile duct?
- (a) Hepaticojejunostomy
 - (b) Cutaneous hepaticojejunostomy
 - (c) Cholecystectomy
 - (d) ERCP and sphincterotomy
71. All of the following are true about malignant mesothelioma **EXCEPT**
- (a) Positive staining for acid mucopolysaccharide
 - (b) Negative for carcino embryonic antigen
 - (c) Negative staining for calretinin
 - (d) Long microvilli on electron microscopy
72. Olfactory receptor cells belongs to which of the following group of cells
- (a) Bipolar Neurons
 - (b) Fibroblasts
 - (c) Modified epithelial cells
 - (d) Multipolar Neurons
-

73. Sarcoma botryoides is also called
- (a) Alveolar Rhabdomyosarcoma
 - (b) Embryonal Rhabdomyosarcoma
 - (c) Pleomorphic Rhabdomyosarcoma
 - (d) None of the above
74. Moschowitz repair-done for rectal prolapse is
- (a) Fixation of rectum with posterior sling
 - (b) Resection of redundant sigmoid colon
 - (c) Resecting the prolapsed bowel from perineum
 - (d) Reduction of the perineal hernia and closure of the cul-de-sac
75. Which of the following somatic treatments have been found to be effective in the treatment of depression?
- (a) Electroconvulsive therapy
 - (b) Transcranial magnetic stimulation
 - (c) Vagal nerve stimulation
 - (d) All of the above
76. Volume-Pressure Diagram during cardiac cycle consist of following phases **EXCEPT**
- (a) Period of filling
 - (b) Period of isovolumic contraction
 - (c) Period of ejection
 - (d) Period of isotonic relaxation
77. Folic acid deficiency is likely to occur in
- (a) Strict vegetarians
 - (b) Hook worm infestations
 - (c) Decreased production of intrinsic factor
 - (d) Phenytoin therapy
78. Flexible Oesophago – gastro – duodenoscopy is
- (a) Useful in detecting H.pylori
 - (b) Done under general anaesthesia
 - (c) Used as resuscitation procedure
 - (d) Is contraindicated in bleeding duodenal ulcer
-

79. In a child with suspected neck and spine trauma, to open the airway the following manoeuvre is done
- (a) Head tilt
 - (b) Chin lift
 - (c) Jaw thrust
 - (d) Finger sweep
80. Post ganglionic secretomotor fibres from otic ganglion to the parotid gland are carried through
- (a) Auriculotemporal nerve
 - (b) Greater auricular nerve
 - (c) Facial nerve
 - (d) Mandibular nerve
81. Nondisjunction results from the occasional failure of chromosomes to move to the opposite poles during
- (a) Prophase of cell division
 - (b) Metaphase of cell division
 - (c) Anaphase of cell division
 - (d) Telophase of cell division
82. Name the scientists who first discovered the ionic basis of action potential
- (a) Kennath Cole and Howard Curtis
 - ✓ (b) Alan Hodgkin and Andrew Huxley
 - (c) Neher and Salkman
 - (d) Sir John Eccles and Sherrington
83. Vasopressin receptor antagonist is
- (a) Relcovaptan
 - (b) Teriparatide
 - (c) Detmir
 - (d) Lypressin
84. Which of the following would favour gluconeogenesis in the fasted state?
- (a) Fructose 1,6-bisphosphate stimulation of pyruvate kinase
 - (b) Acetyl CoA activation of pyruvate carboxylase
 - (c) Citrate activation of acetyl-CoA carboxylase
 - (d) Malonyl CoA inhibition of carnitine palmitoyltransferase I
-

85. Thyroid carcinoma with pulsating vascular skeletal metastasis seen in
- (a) Papillary carcinoma
 - (b) Medullary carcinoma
 - (c) Anaplastic carcinoma
 - (d) Follicular carcinoma
86. Increased risk for thrombosis seen in all of the following **EXCEPT**
- (a) Progesterone therapy
 - (b) Homocysteinemia
 - (c) Myocardial infarction
 - (d) Vasculitis
87. The triad of Reiter syndrome are all **EXCEPT**
- (a) Arthritis
 - (b) Cervicitis
 - (c) Meningitis
 - (d) Conjunctivitis
88. Chalazion is chronic granulomatous inflammation of
- (a) Gland of zeiss
 - (b) Gland of moll
 - (c) Sweat glands
 - (d) Meibomian gland
89. Which of this is **NOT TRUE** with regard to splenectomy?
- (a) Indicated in idiopathic thrombocytopenic purpura
 - (b) Thrombocytopenia immediately follows splenectomy
 - (c) Should be vaccinated with pneumococcal vaccine 2-3 weeks prior to splenectomy
 - (d) Presence of Howell-Jolly bodies in Red Blood Cells
90. The benzodiazepine which is water soluble at low pH is
- (a) Diazepam
 - (b) Lorazepam
 - (c) Midazolam
 - (d) Propofol
-

91. Erythema infectiosum is caused by
- (a) Parvo virus B19
 - (b) Rubella virus
 - (c) Varicella virus
 - (d) Herpes virus
92. In anterior dislocation of shoulder, the nerve that may be injured is
- (a) Ulnar Nerve
 - (b) Radial Nerve
 - (c) Circumflex Nerve
 - (d) Median Nerve
93. Most specific ultrasonographic sign of acute cholecystitis is
- (a) Alternating irregular lucent and echogenic bands within the gall bladder wall
 - (b) Positive sonographic Murphy's sign
 - (c) Crescent shaped pericholecystic fluid collection
 - (d) Gall stones impacted in cystic duct
94. The sequential ECG changes in hyperkalemia include all of the following **EXCEPT**
- (a) Tall peaked 'T' waves
 - (b) Prolonged 'QRS' duration
 - (c) Sine wave pattern
 - (d) Prominent 'U' waves
95. Acute proptosis is seen in
- (a) Orbital hemorrhage
 - (b) Dermoid
 - (c) Hydatid cyst
 - (d) Orbital Teratoma
96. Combination therapy used in treatment of toxoplasmic encephalitis is
- (a) Pyrimethamine and chloroquine
 - (b) Azithromycin and ciprofloxacin
 - (c) Pyrimethamine and clindamycin
 - (d) Dapsone and gentamicin
-

97. A 27-years-old woman presents with 5 years history of abdominal bloating and discomfort, increased frequency of defecation and passage of pasty stools. Her general condition remains normal. The most likely diagnosis is
- ✓ (a) Diverticular disease
 - (b) Inflammatory bowel disease
 - (c) Irritable bowel syndrome
 - (d) Polyposis coli
98. Hypodense intracranial lesion is seen on CT scan of brain in
- (a) Lipoma of corpus callosum
 - (b) Chordoma
 - (c) Craniopharyngioma
 - (d) Arachnoid cyst
99. Relationship between Prevalence (P), Incidence (I) and Duration (D) of a disease
- (a) $I = P \times D$
 - (b) $P = I / D$
 - (c) $I = P / D$
 - (d) $D = P \times I$
100. A 30 year old fighter pilot who took part in high altitude aerobatics and had landed without any problem had few bouts of sneezing in the dusty airfield. He woke up from sleep at midnight with acute ear ache. The treatment would be
- ✓ (a) Antibiotics with myringoplasty
 - (b) Modified radical mastoidectomy
 - (c) Myringotomy
 - (d) Cortical mastoidectomy
101. Very rapid population growth rate is defined as, annual growth rate of
- (a) 1.0 to 1.5
 - (b) 1.5 to 2.0
 - (c) 2.0 to 2.5
 - (d) 2.5 to 3.0
102. Intraventricular bleed in a preterm baby most commonly occurs in the
- (a) 1st 72 hours
 - (b) 3 – 5 days
 - (c) 5 – 15 days
 - (d) > 15 days
-

103. Which of the following statements regarding Morgagni hernia is **TRUE**?
- (a) Commonly present in childhood after streptococcal infection
 - (b) Occurs through a defect in the posterior pleuroperitoneal fold
 - (c) Contains large bowel in over 90% of cases
 - (d) May extent into pericardium
104. Triangle of Koch is located in
- (a) Right atria
 - (b) Left atria
 - (c) Right ventricle
 - (d) In neck
105. Which of the following is not applicable to a Screening test?
- (a) Done on sick patients
 - (b) Rapidly applied tests
 - (c) It is a preventive measure
 - (d) Not a basis for treatment
106. A 38 year old woman comes with history of amenorrhoea 3 months, hot flushes and sweating. The common investigations include the following **EXCEPT**
- ✓ (a) FSH level : 40 mIU/ml or more
 - (b) E₂ level : 20 Pg / ml or less
 - (c) Thyroid function
 - (d) Bone marrow density
107. Pastia's lines are seen in
- (a) Staphylococcal scalded skin syndrome
 - (b) Toxic shock syndrome
 - (c) Scarlet fever
 - (d) Cellulitis
108. All of the following are seen in pancoast tumours **EXCEPT**
- (a) Enophthalmos
 - (b) Ptosis
 - (c) Anhidrosis
 - (d) Mydriasis
109. C.S.F otorrhoea may occur due to
- (a) Fracture of tympanic membrane
 - (b) Fracture of cribriform plate
 - (c) Fracture of petrous part of temporal bone
 - (d) Fracture of parietal bone
-

110. Lymph vessels of the testis end in
- (a) Lateral and pre-aortic lymphnodes
 - (b) Lateral iliac lymphnodes
 - (c) External iliac lymphnodes
 - (d) Internal and external iliac lymphnodes
111. The drug which does NOT cross blood brain barrier is
- (a) Tacrine
 - (b) Edrophonium
 - (c) Donepezil
 - (d) Metrifonate
112. A private practitioner is not bound to give information to police of suicidal or accidental poisoning case which he comes across, but he is bound to supply information, if asked by the investigating officer. If he conceals the information, he is punishable under section
- (a) Section 193 IPC
 - (b) Section 197 IPC
 - (c) Section 201 IPC
 - (d) Section 202 IPC
113. Chest wall rigidity leading to difficult ventilation is known to be associated with
- (a) Fentanyl
 - (b) Midazolam
 - (c) Atropine
 - (d) Propofol
114. The following are true regarding diagnostic modalities of pulmonary embolism EXCEPT
- (a) Characteristic abnormality in ECG is $S_1Q_3T_3$ pattern
 - (b) D-Dimer has got high positive predictive value
 - (c) CT pulmonary angiography is the principal non-invasive imaging test
 - (d) Not all cases of pulmonary embolism will have evidence of DVT in compression ultrasonogram
115. Congenital rubella infection is diagnosed by
- (a) Detection of IgG
 - (b) Detection of IgM
 - (c) T4 cell count in fetus
 - (d) None of the above
-

116. Painless limp due to HIP disorder in children is seen in
- (a) Congenital HIP dislocation
 - (b) Septic arthritis
 - (c) Reactive synovitis
 - (d) Haemarthrosis
117. Which of this **IS NOT** a cause of true polycythemia?
- (a) High altitude habitat
 - (b) Diuretic therapy
 - (c) Uterine leiomyomas
 - (d) Cerebellar hemangioblastoma
118. The *Escherichia coli* toxin which induces fluid accumulation in the intestines of infant mice with in four hours of intragastric administration is
- (a) Enterotoxin LT
 - (b) Enterotoxin ST_A
 - (c) Enterotoxin ST_B
 - (d) Verotoxin
119. Arteria radicularis magna usually arises at
- (a) Cervical level
 - (b) Upper thoracic level
 - (c) Upper lumbar level
 - (d) Sacral level
120. The most common etiology associated with descending aortic aneurysm
- (a) Syphilis
 - (b) Atherosclerosis
 - (c) Marfan's syndrome
 - (d) Ehlers-Danlos syndrome
121. River blindness is caused by
- (a) Loa loa
 - (b) *Mansonella perstans*
 - (c) *Onchocerca volvulus*
 - (d) *Trichinella spiralis*
122. Lucid interval is characteristic of
- (a) Intra cerebral hematoma
 - (b) Extradural hematoma
 - (c) Acute subdural hematoma
 - (d) Chronic subdural hematoma
-

123. The treatment of choice for obsessive-compulsive disorder is
- (a) Noradrenergic and specific serotonergic agents
 - (b) Selective serotonin reuptake inhibitors
 - (c) Serotonin-dopamine antagonists
 - (d) Selective nor-epinephrine reuptake inhibitors
124. Platelet aggregation
- (a) Is initiated at the site of an injury by conversion of fibrinogen to fibrin
 - (b) Is inhibited in uninjured blood vessels by the secretion of prostacyclin by intact vascular endothelium
 - (c) Causes morphological changes and a release of the vasodilator serotonin
 - (d) Is inhibited by the release of ADP and thromboxane A₂
125. The most reliable of Gustafson's criteria is
- (a) Attrition
 - (b) Secondary dentine formation
 - (c) Transparency of root
 - (d) Cementum apposition
126. The drug which is not suitable for patients with acute porphyria for intravenous induction is
- (a) Thiopentone
 - (b) Propofol
 - (c) Midazolam
 - (d) Etomidate
127. True statement regarding idiopathic pulmonary fibrosis is
- (a) Most common form of idiopathic interstitial pneumonia
 - (b) Good response to steroids
 - (c) Pulmonary function tests reveal obstructive pattern
 - (d) HRCT chest shows extensive ground glassing
128. Choriocarcinoma can produce the following **EXCEPT**
- (a) Multiple luteal cysts
 - (b) Subarachnoid hemorrhage
 - (c) Pseudomyxoma peritonii
 - (d) Calcified lung metastases after chemotherapy
129. Among the following lipoxygenase inhibitor is
- (a) Zileuton
 - (b) Zafirlukast
 - (c) Cromolyn
 - (d) Alprostadil
-

130. Which of the following muscle receives motor supply from glossopharyngeal nerve?
- (a) Styloglossus
 - (b) Stylopharyngeus
 - (c) Stylohyoid
 - (d) Genioglossus
131. Adrenal Tumour associated with paroxysmal hypertension
- (a) Neuroblastoma
 - (b) Pheochromocytoma
 - (c) Adrenal cortical tumor
 - (d) Ganglioneuroma
132. The rewarding effects of addictive drugs are due to increased dopamine release in the
- (a) amygdala
 - (b) nucleus acumbens
 - (c) ventral tegmental area (VTA)
 - (d) median forebrain bundle
133. A microcytic hypochromic blood picture is an expected finding in all **EXCEPT**
- (a) Beta thalassemia
 - (b) Paroxysmal nocturnal haemoglobinuria
 - (c) Anemia of chronic inflammation
 - (d) Sideroblastic anemia
134. Drug effective against methicillin resistant Staphylococcus aureus is
- (a) Nafcillin
 - (b) Gentamicin
 - (c) Daptomycin
 - (d) Cefuroxime
135. Chandler's index is used for epidemiological study of
- (a) Round worm infestation
 - (b) Hook worm infestation
 - (c) Both of the above
 - (d) None of the above
136. The most common type of synostosis is that of
- (a) Sagittal suture
 - (b) Metopic suture
 - (c) Coronal suture
 - (d) Lambdoid suture
-

137. Which of the following is **NOT TRUE** about delusions?
- (a) Not amenable to reason
 - (b) Recognized as silly by the patient
 - (c) False beliefs
 - (d) Effectively treated by antipsychotics
138. Membrane channels
- (a) Have a large aqueous area in the protein structure so are not very selective
 - (b) Commonly contain amphipathic α helices
 - (c) Are opened or closed only as a result of a change in the trans-membrane potential
 - (d) Are the same as gap junctions
139. The following are **TRUE** of Alagille syndrome **EXCEPT**
- (a) Paucity of bile ducts
 - (b) Affects heart
 - (c) Risk of Hepatocellular carcinoma
 - (d) Affects CNS
140. Observational studies in epidemiology includes
- (a) Randomized control trials
 - (b) Field trials
 - (c) Cross-sectional studies
 - (d) Community trials
141. The severe form of galactosemia
- (a) Is a genetic deficiency of uridylyltransferase that exchanges galactose 1-phosphate for glucose on UDP-glucose
 - (b) Results from a deficiency of an epimerase
 - (c) Is insignificant in infants but a major problem in later life
 - (d) Is an inability to form galactose 1-phosphate
142. Therapy of choice for diffuse toxic goitre in a patient above 45 years
- (a) Surgery
 - (b) Anti thyroid drugs
 - (c) Radioiodine
 - (d) Anti thyroid drugs followed by surgery
-

143. ATP-binding cassette (ABC) transporters

- ✓ (a) All have both a membrane-spanning domain that recognizes the substrate and an ATP-binding domain
- (b) All effect translocation by forming channels
- (c) Are found only in eukaryotes
- (d) All have two functions-forming a channel and conductance regulation

144. A 30 years old female presents with ocular disturbances and weakening of pulse in the upper extremities. The most likely cause is:

- (a) Polyarteritis nodosa
- (b) Takayasu arteritis
- (c) Giant cell arteritis
- (d) Wegener's granulomatosis

145. Cattle truck appearance is seen in

- (a) Central retinal vein occlusion
- (b) Branch retinal vein occlusion
- (c) Central retinal artery occlusion
- (d) Retinopathy of prematurity

146. The level of Iodization of salt fixed under the prevention of Food Adulteration Act is

- (a) 20 ppm at the production point and 10 ppm of Iodine at the consumer level
- ✓ (b) 30 ppm at the production point and 15 ppm of Iodine at the consumer level
- (c) 20 ppm at the production point and 15 ppm of Iodine at the consumer level
- (d) 30 ppm at the production point and 10 ppm of Iodine at the consumer level

147. A 25 year old primigravida with history of 8 months of amenorrhoea, BP 160/110 mm of Hg with convulsions, the treatment includes all EXCEPT

- (a) Parenteral $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ USP
- (b) Antihypertensive agents
- (c) Diuretics
- (d) Delivery

148. Dystocia is due to

- (a) abnormalities of the passage
 - (b) abnormalities of the power
 - (c) abnormalities of the passenger
 - (d) all of the above
-

149. Prolonged exposure to anaesthetic concentration of this inhalational agent can lead to bone marrow depression and neurological deficiencies
- (a) Nitrous oxide
 - (b) Halothane
 - (c) Isoflurane
 - (d) Ether
150. Haptoglobin
- (a) Helps prevent loss of iron following intravascular red blood cell destruction
 - ✓ (b) Levels in serum are elevated in severe intravascular hemolysis
 - (c) Inhibits the action of heme oxygenase
 - (d) Binds heme and hematin as well as hemoglobin
151. The causes for secondary hypertension are all EXCEPT
- (a) Renal artery stenosis
 - (b) Pheochromocytoma
 - (c) Cirrhosis of liver
 - (d) Coarctation of aorta
152. Major manifestations of Rheumatic Heart Disease include all EXCEPT
- (a) Polyarthrititis
 - (b) Erythema marginatum
 - (c) Chorea
 - (d) Polyarthralgia
153. Testicular biopsy is indicated in
- (a) Oligo-spermia with normal follicle stimulating hormone
 - (b) Azoo spermia with normal follicle stimulating hormone
 - (c) Astheno zoo spermia
 - (d) Astheno terato oligo zoo spermia
154. The average number of adult female mites on an individual suffering from common form of scabies is about
- (a) 02
 - (b) 12
 - (c) 22
 - (d) 102
155. The contraluminal plasma membranes of small intestinal epithelial cells contain
- (a) Aminopeptidases
 - ✓ (b) $\text{Na}^+ / \text{K}^+ - \text{ATPase}$
 - (c) Disaccharidases
 - (d) GLUT-5
-

156. Chronic serpiginous ulcer is also known as
- (a) Mooren's Ulcer
 - ✓ (b) Pheumococal Ulcer
 - (c) Mycotic Ulcer
 - (d) Herpes zoster ophthalmicus
157. True statement about paraneoplastic manifestations of lung cancer is
- (a) May be the first presenting symptom
 - (b) Hypercalcemia occurs due to small cell cancer
 - (c) SIADH occurs due to squamous cell cancer
 - (d) Ectopic ACTH production results in changes in body habitus rather than hypokalemia
158. The following are hormone secreting ovarian tumours **EXCEPT**
- (a) Endometroid tumour
 - (b) Granulosa cell tumour
 - (c) Struma ovarii
 - (d) Theca cell tumour
159. Absent thumb and hyperpigmentation in a child with anemia are clues to the diagnosis of
- (a) Dyskeratosis congenita
 - (b) Myelodysplastic anemia
 - (c) Pure red cell aplasia
 - (d) Fanconi's anemia
160. In non enzymatic glycosylation of hemoglobin, the reaction is between
- (a) C-1 of glucose with NH₂ terminus of beta chain
 - 9 (b) C-1 of glucose with NH₂ terminus of alpha chain
 - (c) C-1 of glucose with epsilon NH₂ of lysine residue
 - (d) None of the above
161. The test used for differentiating atypical mycobacterial species from *Mycobacterium tuberculosis* is
- (a) Growth on Mac Conkey agar
 - (b) Niacin test
 - (c) Nitrate reduction
 - (d) Urease production
162. Which of the following is **NOT TRUE** about 'AT RISK INFANT'?
- (a) Twins
 - (b) Birth order 5 or more
 - (c) Failure to gain weight during three successive weeks
 - (d) Weight below 70th percentile of expected weight
-

163. The indication for caesarean section in heart disease
- (a) Pulmonary stenosis
 - (b) Ebstein anomaly
 - (c) Mitral stenosis
 - (d) Coarctation of aorta
164. Infantile gastric outlet obstruction is treated by
- (a) Proton pump inhibitors
 - (b) Helico bacter pylori treatment
 - (c) Pyloromyotomy
 - (d) Gastro jejunostomy
165. The refractive power of an emmetropic eye is about
- (a) + 50D
 - ✓ (b) + 55D
 - (c) + 60D
 - (d) + 65D
166. All are anti-tumor necrosis factor reagents EXCEPT
- (a) Infliximab
 - (b) Adalimumab
 - (c) Efalizumab
 - (d) Etanercept
167. Cyclops is _____ host of dracunculosis
- (a) Amplifier
 - (b) Intermediate
 - (c) Obligate
 - (d) Primary
168. In assessing the adequacy of a person's diet
- (a) Age of the individual usually has little relevance
 - 9 (b) Trauma decreases activity, and hence need for calories and possibly some micronutrients
 - (c) A 24-hour dietary intake history provides an adequate basis for making a judgment
 - (d) Currently administered medications must be considered
-

169. Preservation of ileo-inguinal nerve is an important step during inguinal hernia operation while
- (a) Incising the subcutaneous tissue
 - (b) Incising the external oblique aponeurosis
 - (c) Incising the cremasteric fascia
 - (d) Isolating the sac
170. The treatment options for external genital and perianal warts
- (a) Cryotherapy
 - (b) Podophyllin 10% - 25%
 - (c) Laser
 - (d) All of the Above
171. Cyclo-developmental type of biological transmission occurs in
- (a) Malaria
 - (b) Filariasis
 - (c) Plague
 - (d) Dengue fever
172. Pale infarct are seen at all of the following sites **EXCEPT**
- (a) Heart
 - (b) Spleen
 - (c) Kidney
 - (d) Lung
173. Systemic inflammatory response syndrome is defined by all the following **EXCEPT**
- (a) Temperature > 38 degree celsius
 - (b) Total Leucocyte count > 12000
 - (c) Respiratory rate > 24/min
 - (d) Hypotension
174. 'Chemodectoma' is a tumour involving
- (a) Carotid bodies
 - (b) Pituitary gland
 - (c) Spinal cord
 - (d) Adrenal gland
-

175. All the following are features of cardiac tamponade **EXCEPT**
- (a) Electrical alternans
 - (b) Prominent X descent
 - (c) Prominent Y descent
 - (d) Pulsus paradoxus
176. Operations for treatment of stress incontinence include all **EXCEPT**
- (a) Kelly's stitch
 - (b) Tension free vaginal tape
 - (c) Burch colposuspension
 - (d) Moschowitz operation
177. Mounier-Kuhn syndrome is characterized by the following
- (a) Tracheobronchomegaly with dilatation of the trachea and major bronchi
 - (b) Trachea appears irregular and corrugated as the lumen bulges between the cartilaginous rings
 - (c) Fluoroscopy confirms the marked dilatation on inspiration and collapse during expiration
 - (d) Saccular bronchiectasis is the common complication
178. When a patient suspected of rickettsial infection shows high titres of antibody to OX K antigen alone in the Weil-Felix test, the serological reaction is suggestive of
- (a) Epidemic typhus
 - (b) Endemic typhus
 - (c) Scrub typhus
 - (d) Rickettsial spotted fever
179. Recurrent laryngeal nerve is in close association with
- (a) Superior thyroid artery
 - (b) Inferior thyroid artery
 - (c) Superior thyroid vein
 - (d) Middle thyroid vein
180. All are **TRUE** about ASHA **EXCEPT**
- (a) Chosen by and accountable to Panchayat
 - (b) Act as a bridge between ANM and PHC
 - (c) Will receive performance based incentives
 - (d) Will make the village health plan along with Anganwadi worker and ANM under leadership of Panchayat
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SPACE FOR ROUGH WORK