

P.G. 2014

Test Admission Ticket No.				

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Question Booklet Version Code
A
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Question Booklet Sr. No.
1291
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1. The anagen phase of large hairs lasts
 - a) Upto ten years
 - b) Upto three weeks
 - c) Upto four months
 - d) Upto Fifty years
2. Substances that are filtered by glomerular capillary membrane are those with
 - a) Negative charge with size below 4nm
 - b) Positive charge with size above 8nm
 - c) Neutral charge with size below 4nm
 - d) Negative charge with size above 8nm
3. The active sites of all serine proteases contain which of the following amino acid residue?
 - a) Asparagine
 - b) γ -carboxyglutamate
 - c) Histidine
 - d) Lysine or arginine
4. Melatonin receptor agonist is
 - a) Buspirone
 - b) Beta carboline
 - c) Zaleplon
 - d) Ramelteon
5. Acute Haemorrhagic conjunctivitis is caused by:
 - a) Enterovirus 68
 - b) Enterovirus 69
 - c) Enterovirus 70
 - d) Enterovirus 71
6. C3 nephritic factor stabilizes
 - a) C3bBb
 - b) C142
 - c) C3a
 - d) Cla
7. Most reliable criteria in Gustafson's method of identification is
 - a) Cementum apposition
 - b) Transparency of root
 - c) Attrition
 - d) Root resorption
8. A 40 year old lady presents with bilateral papilloedema. C.T scan shows normal ventricles. The diagnosis is
 - a) Benign intracranial hypertension
 - b) Malignant hypertension
 - c) Papillitis
 - d) Raised intraocular pressure

9. In which morphological type of cataract is the patient most visually handicapped?
 - a) Cortical
 - b) Nuclear
 - c) Zonular
 - d) Posterior subcapsular
10. When the agent undergoes only development and no multiplication it is called as
 - a) Propogative
 - b) Developmental
 - c) Cyclodevelopmental
 - d) Mechanical
11. Which of the following is NOT a principle of Health Education
 - a) Tell only what is needed
 - b) Should involve free discussion
 - c) Always use audio visual aids
 - d) Plan the health education program
12. Internuclear Ophthalmoplegia
 - a) Hallmark of lesions of medial longitudinal fascicle
 - b) Most common in multiple sclerosis
 - c) Causes ipsilateral gaze palsy and interfere with adduction of ipsilateral eye
 - d) All of the above
13. Area of mitral orifice in adults is
 - a) 6-8cm²
 - b) 5-2cm²
 - c) 4-6cm²
 - d) 1-4cm²
14. Hysterosalpingography is performed
 - a) Just before menstruation
 - b) During menstruation
 - c) Between end of menstruation and ovulation
 - d) On the day of ovulation
15. Stone which is resistant to lithotripsy is
 - a) Calcium oxalate stone
 - b) Triple phosphate stone
 - c) Cystine stone
 - d) Uric acid stone
16. The strongest predisposing factor to basal cell carcinoma is exposure to
 - a) Arsenical compounds
 - b) Aromatic hydrocarbons
 - c) Coal tar
 - d) Ultraviolet radiation

17. A 12 year old boy with learning disability was seen in the child development centre with a 12 month history of increasingly awkward gait and difficulty getting footwear. On examination he has a scoliosis, marked pes cavus, absent lower limb reflexes and extensor plantar responses. The diagnosis is
- a) Dermatomyositis
 - b) Duchenne muscular dystrophy
 - c) Friedreich's ataxia
 - d) Hereditary motor and sensory neuropathy
18. In the ECG of a new born, the mean QRS frontal-plane axis normally lies in which of the following range?
- a) $+110^{\circ}$ to 180°
 - b) $+120^{\circ}$ to 180°
 - c) $+110^{\circ}$ to 170°
 - d) $+120^{\circ}$ to 170°
19. All of the following are projective personality assessment tests EXCEPT
- a) Thematic Apperception Test (TAT)
 - b) Wisconsin Card Sorting Test (WCST)
 - c) Sentence Completion Test (SCT)
 - d) Figure Drawing
20. Which one of the following Mapleson circuits is used for pediatric ventilation?
- a) Magill
 - b) Bain's
 - c) Jackson-Rees modification
 - d) None of the above
21. In female, sphincter urethrae muscle surrounds
- a) Lower urethra but also the neck of bladder
 - b) Surrounds more than the middle third of the urethra
 - c) Upper urethra but also the neck of bladder
 - d) Entire length of Urethra but also the neck of bladder
22. Kartagener's syndrome due to nonfunctional cilia is due to absence of
- a) Dynein
 - b) Actinin
 - c) Myosin
 - d) Motilin
23. NADPH - adrenodoxin reductase:
- a) Is located in the endoplasmic reticulum
 - b) Passes its electrons to a protein with iron-sulfur centers
 - c) Has a stretch of hydrophobic amino acid residues at the N-terminal end
 - d) Reacts directly with cytochrome P-450
24. Catechol -O- methyltransferase inhibitor is
- a) Rasagiline
 - b) Rotigotine
 - c) Entacapone
 - d) Guanfacine

25. Edmonston – Zagreb strain is used in which of the following vaccines?
- a) Mumps
 - b) Rubella
 - c) Measles
 - d) Yellow fever
26. Mallory bodies are a complex of
- a) Intermediate filaments and ubiquitin
 - b) Tubulin and ubiquitin
 - c) Heat shock protein and ubiquitin
 - d) Dilated endoplasmic reticulum and ubiquitin
27. Identify the **INCORRECT** statement for a screening test
- a) Specificity refers to ability of the test to identify true negatives
 - b) Sensitivity refers to ability of the test to identify true positives
 - c) Selective screening refers to screening of a group of volunteers
 - d) Multiphasic screening refers to screening of two or more diseases at a given time
28. Contrast induced Nephropathy is prevented by
- a) Aminophylline infusion
 - b) N-Acetyl cysteine administration
 - c) Proper hydration
 - d) All of the above
29. One of the following is a factitious disorder
- a) Malingering
 - b) Munchausen syndrome
 - c) Dissociative (conversion) disorder
 - d) Anorexia nervosa
30. Inability to recognize objects by a particular sensory modality even though the sensory modality itself is intact is termed as
- a) Apraxia
 - b) Ataxia
 - c) Agnosia
 - d) Asteriognosis
31. The first and main treatment of ovarian tumour is
- a) Surgery
 - b) Radiotherapy
 - c) Chemotherapy
 - d) Immunotherapy
32. All of the following are features of splenic rupture, **EXCEPT**
- a) Obliteration of psoas shadow
 - b) Obliteration of splenic outline
 - c) Elevation of left diaphragm
 - d) Obliteration of colonic air bubble

33. All of the following are manifestations of Type II Lepa reactions EXCEPT
- a) Arthritis
 - b) Serositis
 - c) Periosteitis
 - d) Meningitis
34. An 8 year old boy presents to outpatients having recently noticed the development of pubic hair. He is having difficulty at school and is disruptive in class. He has a history of asthma for which he is taking inhaled fluticasone at the recommended dose for age. On examination there are no abnormalities detected apart from pubic hair, his testicular volumes are 2 ml bilaterally. Blood Investigations shows the following: sodium 128 mmol/l, potassium 5.8mmol/l, bicarbonate 22 mmol/l, urea 3.4 mmol/l, creatinine 62 µmol/l. Which of the following is the most likely enzyme deficiency in this case?
- a) 11-beta- hydroxylase
 - b) 17- alpha-hydroxylase
 - c) 21-hydroxylase
 - d) 3- alpha- reductase
35. Patient is able to abduct, internally rotate and take his arm up to lumbosacral spine, but not able to lift off. What is the probable diagnosis?
- a) Subscapularis tear
 - b) Teres Major tear
 - c) Long head of Biceps tear
 - d) Acromio clavicular dislocation
36. EKBOM syndrome is also known as
- a) Restless leg syndrome
 - b) Tardive dyskinesia
 - c) Delusions of infidelity
 - d) Shared psychotic disorder
37. A patient was brought to emergency room with history of Road Traffic Accident. Glasgow Coma-Scale - 5/15. Airway secured with endotracheal tube. The best confirmation of tracheal placement of endotracheal tube is
- a) SPO₂
 - b) Capnograph
 - c) Bilateral air entry
 - d) All of above
38. Superior mesenteric vein ascends in the mesentery
- a) On the left of superior mesenteric artery
 - b) Anterior to superior mesenteric artery
 - c) On the right of superior mesenteric artery
 - d) Posterior to superior mesenteric artery
39. The Bio-Physical profile includes EXCEPT
- a) Fetal eye movement
 - b) Fetal breathing
 - c) Fetal movement
 - d) Fetal tone

40. Genetic polymorphism in genes for cytochromes P450
- Could cause an individual to poorly metabolize certain drugs
 - Could cause an individual to metabolize certain drugs more rapidly than normal
 - Could lead to a specific ethnic group experiencing more frequent adverse effects with certain drugs
 - All of the above are correct
41. Direct thrombin inhibitor is
- Fondaparinux
 - Rivaroxaban
 - Argatroban
 - Apixaban
42. An outbreak of exanthematous fever affecting children in a play school characterized by oral and pharyngeal ulcers and vesicular rash on the palm and soles. The disease is caused by
- Chickenpox virus
 - Rubella virus
 - Coxsackie virus
 - Measles virus
43. Which of the following lung carcinoma can produce parathyroid hormone related peptide?
- Bronchioalveolar carcinoma
 - Squamous cell carcinoma
 - Adenocarcinoma
 - Small cell carcinoma
44. In India magistrate conducts inquest in following cases EXCEPT
- Exhumation cases
 - Dowry death
 - Murder cases
 - Death of a person in police custody
45. Of the following uveitic conditions, which one is contraindicated to implant an intra-ocular lens after cataract extraction?
- Fuchs heterochromic cyclitis
 - Juvenile rheumatoid arthritis
 - Psoriatic arthritis
 - Reiter's syndrome
46. With respect to data representation
- Histogram is used for representation of continuous quantitative data
 - Component bar chart is used for demonstration of sex composition
 - Scatter diagram is used to show the most commonly occurring value
 - Line diagram is used to show the trend of events with passage of time

47. Dreaded complication of thrombolytic therapy in Acute stroke is
- Extra cranial hemorrhage
 - Failure of recanalization
 - Intra cerebral hemorrhage
 - Urticarial rash due to allergy
48. All of the following oral anti diabetic agents increase insulin sensitivity EXCEPT
- Metformin
 - Repaglinide
 - Pioglitazone
 - Rosiglitazone
49. The embryonic period is between ----- of gestation
- 2to 8 weeks
 - 8 to13 weeks
 - 12to 20 weeks
 - All of the above
50. Ward Mayo's operation is indicated in
- Carcinoma body of uterus
 - Carcinoma cervix
 - Nulliparous prolapse
 - Procidentia
51. Treatment of annular pancreas is
- Gastrojejunostomy
 - Duodenoduodenostomy
 - Removal of compressing part of pancreas
 - Conservative
52. Amsel criteria in bacterial vaginosis include all of the following EXCEPT
- Excessive homogenous uniformly adherent vaginal discharge
 - Vaginal pH > 4.5
 - Positive amine test (whiff test)
 - Clue cells atleast 30%
53. A 10 day old girl is admitted with 15% weight loss. She was born at term weighing 3.4 kg and has been breast fed since birth. On examination she appears well apart from obvious signs of dehydration. Blood Investigations shows the following: Sodium 160 mmol/l, Potassium 4.0 mmol/l, Urea 9.3 mmol/l, Creatinine 78 μ mol/l and Glucose 4.4 mmol/l. She is started on normal saline at 15 ml/kg/hr. Four hours later her sodium is 161 mmol/l. Which of the following is the appropriate fluid management at this stage?
- change to 0.45% saline
 - change to 3% saline
 - change to 5% dextrose
 - make no changes and repeat electrolytes in 4 hours

54. Symmetrical areflexic bladder, bowel and lower limbs occur in
- Cauda Equina syndrome
 - Conus Medullaris syndrome
 - Nerve root damage
 - Brown-sequard syndrome
55. The international day against drug abuse and illicit trafficking is observed on
- April 26th
 - May 26th
 - June 26th
 - July 26th
56. Right coronary artery arises from
- Left Posterior aortic sinus
 - Anterior aortic sinus
 - Right Posterior aortic sinus
 - Pulmonary sinus
57. Factor that inhibits vasopressin secretion
- Osmotic pressure changes
 - alcohol
 - Surgical stress
 - Pain
58. Prostaglandin synthase complex
- Catalyzes the rate-limiting step of prostaglandin synthesis
 - Is inhibited by anti-inflammatory steroids
 - Contains both a cyclooxygenase and a peroxidase component
 - Produces PGG₂ as the end product
59. All are aromatase inhibitors EXCEPT
- Fadrozole
 - Exemestane
 - Nilutamide
 - Letrozole
60. Infection of Burns wound with *Pseudomonas aeruginosa* can be treated with the following carbapenems EXCEPT
- Imipenem
 - Meropenem
 - Ertapenem
 - Doripenem
61. Delayed puberty is defined as absence of secondary sexual characters by age of
- 12 years
 - 13 years
 - 14 years
 - 15 years

62. Administration of oxygen increases the toxicity of which of the following poisons?
- Hydrogen sulphide
 - Paraquat
 - Methyl isocyanate
 - Metaldehyde
63. Field defect seen in pituitary adenoma is
- Bitemporal hemianopia
 - Binasal hemianopia
 - Quadrantanopia
 - 'Pie in the sky' defect
64. The four areas of emphasis by UNICEF are all EXCEPT
- Child nutrition
 - Child education
 - Child health
 - Children emergency fund
65. Appearance of "Sleep spindle" is primarily associated with which stage of sleep
- Stage -1 NREM sleep
 - Stage - 2 NREM sleep
 - Stage - 4 NREM sleep
 - REM sleep
66. A 10 year old boy presented with fever associated with massive bilateral enlarged cervical lymphnodes. He was found to have polyclonal hyperglobulinemia, anaemia and high ESR. These findings may account for
- Burkitt's disease
 - HIV associated lymphadenopathy
 - Tuberculous lymphadenitis
 - Sinus histiocytosis with massive lymphadenopathy
67. DIAMNIOTIC MONOCHORIONIC pregnancy results, if division occurs from----- fertilization
- 0 - 3days
 - 4th - 8th days
 - After 8 days
 - None of the above
68. A 45 year old male having a long history of cigarette smoking, presented with gangrene of left foot and underwent below knee amputation. Representative sections of the specimen revealed presence of arterial thrombus with neutrophilic infiltrate in the arterial wall. The inflammation also extended in to the neighboring veins and nerves. The most probable diagnosis is
- Takayasu arteritis
 - Giant cell arteritis
 - Hypersensitivity arteritis
 - Thromboangiitis obliterans

69. Most common organ involved in retroperitoneal fibrosis is
- Aorta
 - Ureter
 - Inferior vena cava
 - Sympathetic nerve plexus
70. Hidradenitis suppurativa is due to infection of
- Apocrine sweat glands of axilla
 - Subcutaneous tissues
 - Sebaceous glands
 - Eccrine sweat glands
71. Antibiotics used as prophylactic drugs to prevent *Neisseria meningitidis* infection in contacts include all of the following **EXCEPT**
- Ceftriaxone
 - Ciprofloxacin
 - Isoniazid
 - Rifampicin
72. Metal on metal prosthesis should be avoided in
- Osteonecrosis
 - Young female
 - Inflammatory Arthritis
 - Revision Surgery
73. Local anesthetic requirement for regional blockade in a pregnant patients is
- Decreased
 - Increased
 - No change
 - None of the above
74. Equatorial diameter of lens at birth is
- 9.0mm
 - 6.5 mm
 - 9.5mm
 - 4.0mm
75. Ester local anesthetics predominantly metabolized by
- Microsomal P450 enzymes
 - Pseudo cholinesterase
 - Di- esterase
 - None of the above
76. Identify the **CORRECT** order of the four essential phases in the management of a disaster
- Emergency Phase, Warning Phase, Rehabilitation Phase, Recovery Phase
 - Warning Phase, Emergency Phase, Recovery Phase, Rehabilitation Phase
 - Warning Phase, Emergency Phase, Rehabilitation Phase, Recovery Phase
 - None of the above

77. The molecular machine Replisomes contain
- Helicase, primase, DNA polymerase
 - Helicase and primase
 - DNA polymerase and Helicase
 - Helicase, primase and omega factor
78. All are glycopeptides **EXCEPT**
- Telavancin
 - Daptomycin
 - Vancomycin
 - Dalbavancin
79. In a pregnant women, a four- fold rise in IgG antitoxoplasma antibody titres indicates
- Acute infection and a high risk of transplacental transmission
 - Acute infection and a low risk of transplacental transmission
 - Chronic infection and a high risk of transplacental transmission
 - Chronic infection and a low risk of transplacental transmission
80. Typical findings in Von Willebrand's disease include all of the following **EXCEPT**
- Decreased levels of factor VIII
 - Haemarthrosis
 - Prolonged bleeding time
 - Menorrhagia
81. Hunan hand refers to
- Intense skin irritation from contact with carbolic acid
 - Wrist drop of lead poisoning
 - Arsenic poisoning
 - Occupational handling of chillies resulting in contact dermatitis
82. A middle aged man of 45 years complaints of poor near vision with the previous reading glasses which were changed hardly 6 months back. On tonometry his intraocular tension was recorded to be 24 mm of Hg and suspected to be having open angle glaucoma. To confirm the diagnosis following tests should be done **EXCEPT**
- Diurnal variation test
 - Water drinking test
 - Priscol test
 - Central visual fields testing
83. Location of inferior pair of parathyriod may be variable as mentioned below **EXCEPT**
- Within the facial thyroid sheath, below the inferior thyroid arteries and near the inferior lobar poles
 - Outside the sheath, immediately above an inferior thyroid artery
 - Near the superior pole of thyroid gland outside the sheath
 - In the thyroid gland near its inferior pole

84. Investigation of choice in neuroleptic malignant syndrome is
- Total leucocyte count
 - Electro Encephalogram
 - Serum Creatinine
 - Creatinine Phosphokinase (CPK)
85. Pyridoxine (Vitamin B₆) is useful in all conditions EXCEPT
- Isoniazid induced peripheral neuropathy
 - Sideroblastic anemia
 - Radiotherapy induced nausea
 - Lead induced nephrotoxicity
86. Placental delivery is done by _____ technique
- Ritgen maneuver
 - Marshall - Burns technique
 - Brandt - Andrews technique
 - Lovset maneuver
87. A 45 years old male presents with 4 x 4 cm. solitary nodule of left lobe thyroid of 5 months duration. The patient is in euthyroid status. The following statements about his management are true EXCEPT
- Cold nodule on thyroid scan is diagnostic of malignancy
 - FNAC is the investigation of choice
 - The patient should undergo hemithyroidectomy, if FNAC is inconclusive
 - Indirect laryngoscopy should be done in the preoperative period to assess mobility of vocal cords.
88. Which of the following statement is NOT true of McBurney's incision
- Most suitable if the diagnosis of appendicitis is definite
 - If it is converted in to muscle cutting incision it is called Rutherford Morrison's incision
 - Inguinal hernia may be a sequelae of the incision
 - The incision can be extended upwards and downwards
89. A 40 year old farmer presented with swelling of left foot since two years. On local examination there is woody indurated swelling with nodules and black grains discharge through draining sinuses. The diagnosis is
- Actino mycetoma
 - Eumycotic mycetoma
 - Botryo mycosis
 - Nocardiasis
90. During second trimester of pregnancy, 'quad Screen' is used as a screening test for the diagnosis of which of the following conditions
- Trisomy 8
 - Trisomy 13
 - Trisomy 18
 - Trisomy 21

91. Swan Neck deformity is
- Flexion of metacarpo phalangeal joint and extension of inter phalangeal joint
 - Extension of proximal inter phalangeal joint and flexion of distal inter phalangeal joint
 - Flexion of proximal inter phalangeal joint and extension of distal inter phalangeal joint
 - Extension of metacarpo phalangeal joint and flexion of inter phalangeal joint
92. All are true about thiopentone EXCEPT
- Ultra short acting
 - Barbiturate
 - Causes hypertension
 - Decreases CMRO₂
93. Which type of joint is present between alae of vomer and rostrum of sphenoid bone?
- Serrate suture
 - Gomphosis
 - Syndesmoses
 - Schindylesis
94. Among the following, which drug is contraindicated in severe head injury?
- Thiopentone
 - Ketamine
 - Propofol
 - None of the above
95. Basic electrical rhythm is seen in all the following parts of gut EXCEPT
- Oesophagus
 - Duodenum
 - Caecum
 - Sigmoid colon
96. Suprachiasmatic nucleus in the hypothalamus is involved with
- Food intake
 - Sleep
 - Temperature regulation
 - Circadian rhythms
97. One of the following statement is INCORRECT with respect to cytosolic degradation of proteins in proteosomes
- The process needs activation of ubiquitin activating enzyme
 - The process requires expenditure of energy provided by ATP
 - Formation of peptide bond between ubiquitin and arginine residue in the target protein
 - Transfer of ubiquitin to a cysteine residue in ubiquitin conjugating enzyme

98. Campothecin analog is
- Irinotecan
 - Etoposide
 - Cladribine
 - Pemetrexed
99. Kinyoun's acid fast staining is used to stain:
- Micobacterium tuberculosis
 - Cryptosporidium parvum
 - Nocardia asteroides
 - Actinomyces israelii
100. Genetic marker of synovial sarcoma is
- t(x;18)(p11;q11)
 - t(x;17)(p11;q25)
 - t(x;11)(p11;q12)
 - t(x;8)(p11;q14)
101. All the following arteries form Kiesselbach's plexus **EXCEPT**
- Greater palatine artery
 - Sphenopalatine artery
 - Anterior ethmoidal artery
 - Posterior ethmoidal artery
102. Reid index is increased in
- Asthma
 - Pulmonary fibrosis
 - Chronic bronchitis
 - Pneumonia
103. The prevention of the emergence of risk factors is
- Primary prevention
 - Primordial prevention
 - Secondary prevention
 - Tertiary prevention
104. A measure that reflects variability among the middle 50% of the observations in a data is
- Standard deviation
 - Quartile deviation
 - Range
 - Interquartile range
105. Normal Pulmonary Capillary Wedge Pressure (PCWP) with pulmonary oedema is seen in
- Left atrial myxoma
 - High altitude
 - Pulmonary vein obstruction
 - Pulmonary artery obstruction

106. All of the following are present in **RAVEN'S** syndrome EXCEPT
- a) Hypoinsulinemia
 - b) Increased C-reactive protein
 - c) Microalbuminuria
 - d) Elevated uric acid
107. Incidence of sarcoma in fibroids is
- a) 0.5%
 - b) 2.0%
 - c) 1.0%
 - d) 5.0%
108. A 40 years old patient presents with lower gastrointestinal bleed, sigmoidoscopy shows ulcers in the sigmoid colon. Biopsy from the area showed flask shaped ulcers. Which of the following is the most appropriate management?
- a) Intravenous Ceftriaxone
 - b) Intravenous Metronidazole
 - c) Intravenous Steroids and Sulphasalazine
 - d) Hydrocortisone enemas
109. Invertogram is taken after
- a) 2 hours after birth
 - b) 4 hours after birth
 - c) 6 hours after birth
 - d) 8 hours after birth
110. All of the following are epithelial precancerous lesions EXCEPT
- a) Actinic keratoses
 - b) Arsenical keratoses
 - c) Thermal keratoses
 - d) Seborrheic keratoses
111. Post-operative complications after a Blalock -Taussing shunt for tetralogy of Fallot include all of the following EXCEPT
- a) Chylothorax
 - b) Horner syndrome
 - c) Pulmonary hypertension
 - d) Diaphragmatic paralysis
112. A young boy aged 10 years complaints of recurrent attacks of intense itching in both the eyes. There is marked watering and photophobia. On examination there are two muddy, gelatinous brownish raised spots at the limbus with mild ciliary congestion. The diagnosis of this case is
- a) Phlyctenular keratoconjunctivitis
 - b) Spring catarrh - bulbar type
 - c) Episcleritis
 - d) Viral keratoconjunctivitis

113. Minimum alveolar concentration of sevoflurane is
- a) 1.2
 - b) 0.75
 - c) 2
 - d) 6
114. Nitrogen narcosis is associated with
- a) Bends
 - b) Chokes
 - c) Paresthesia
 - d) Euphoria
115. The fourth heart sound is caused by
- a) Vibrations in ventricle wall
 - b) Closure of AV valves
 - c) Ventricular filling
 - d) Retrograde flow in vena cava
116. MET – Major Predictor of perioperative risk stands for
- a) Minimum Energy of Task
 - b) Maximum Energy of Task
 - c) Metabolic Energy of Task
 - d) Metabolic Equivalents of Task
117. Pulmonary eosinophilia is seen in all of the following **EXCEPT**
- a) Löffler syndrome
 - b) Asthma
 - c) Broncho pulmonary aspergillosis
 - d) Emphysema
118. “Banana sign” and Lemon sign” are associated with which organ abnormality?
- a) Gastro intestinal abnormality
 - b) Central nervous system abnormality
 - c) Cardiovascular abnormality
 - d) Renal system abnormality
119. ‘Cleft Lip Repair’ is commonly performed between
- a) 11 and 14 months of age
 - b) 9 and 12 months of age
 - c) 6 and 9 months of age
 - d) 3 and 6 months of age
120. The treatment of choice in severe flail chest
- a) Intermittent Positive Pressure Ventilation (IPPV)
 - b) Strapping
 - c) Wiring
 - d) Nasal oxygen

121. Torsion is most frequently seen in
- a) Serous cystadenoma
 - b) Dermoid cyst
 - c) Mucinous cystadenoma
 - d) Dysgerminoma
122. In Myasthenia gravis
- a) There is decreased acetylcholine receptors at the postsynaptic muscle membrane
 - b) Repetitive Nerve Stimulation (RNS) may show decremental response
 - c) Single fiber EMG is more sensitive than RNS or determination of serum ACHR antibodies.
 - d) All the above statements are correct regarding Myasthenia gravis
123. Torsades de pointes is caused by following drugs EXCEPT
- a) Beta-blockers
 - b) Quinidine
 - c) Phenothiazines
 - d) Tricyclic antidepressants
124. If the relationship between two variable is not linear the strength of relationship can be measured by
- a) Correlation coefficient
 - b) Regression coefficient
 - c) Speciman's rank correlation coefficient
 - d) None of the above
125. A child aged 13 years had a perforating injury with ciliary body prolapse in right eye about a month ago which was repaired after excision of ciliary body. The eye had become quiet. Now for two days he is having marked watering and photophobia in left eye. The left eye shows mild ciliary congestion and mutton fat keratic precipitates. The diagnosis of the case is
- a) Acute non granulomatous uveitis
 - b) Granulomatous uveitis
 - c) Sympathetic ophthalmia
 - d) Interstitial keratitis
126. Secondary haemorrhage after Tonsillectomy is due to
- a) Injury to surrounding structures
 - b) Slippage of ligature
 - c) Infection
 - d) Wearing off of general Anesthetic effect
127. The most important feature in predicting progress in Henoch-Schonlein purpura is
- a) Fibrin thrombi in glomerular capillaries
 - b) Proportion of glomeruli with crescents
 - c) Endocapillary proliferation
 - d) Mesangial hypercellularity

128. Initiator caspase in humans is
- Caspase 10
 - Caspase 8
 - Caspase 9
 - Caspase 7
129. What is significance of the following structures? A positively charged amphiphilic α -helix, a cluster of lysine and arginine residues, and a carboxy-terminal Ser-Lys-Leu (SKL) sequence?
- These structures are all receptors binding signals
 - These structures are all targeting signals to specific organelles
 - These structures are not found in transport proteins
 - These structures are not targeting signals to specific organelles
130. G-quadruplex DNA
- Is a stacked structure of guanine tetramers
 - Is stabilized by metal cations
 - Involves bases held together by Hoogsteen hydrogen bonds
 - All of the above are correct
131. One known mutation leading to β -thalassemia occurs at a splice junction. Which of the following statements about removing introns (cleavage/splicing) is correct?
- Small nuclear ribonucleoproteins (snRNPs) are necessary
 - The consensus sequences at the 5'- and 3'-ends of introns are identical
 - Removal of an intron does not require metabolic energy
 - The exon at one end of an intron must always be joined to the exon at the other end of the intron
132. Under Bethesda system of reporting of cervical cytology, presence of koilocytes in the PAP smear is equated with
- Low grade squamous intraepithelial lesion (LSIL)
 - High grade squamous intraepithelial lesion (HSIL)
 - In situ carcinoma
 - Severe dysplasia
133. **TRUE** for Stenger's test is
- To examine effect of occlusion of ear canal on the hearing
 - For detecting non-organic hearing loss
 - To examine effect of increased air pressure in ear canal on hearing
 - For detecting sensorineural hearing loss
134. The term risk ratio refers to
- Attributable risk
 - Odds ratio
 - Relative risk
 - Absolute risk

135. In upper brachial plexopathy [ERB-DUCHENE] sensory loss is present over
- a) Deltoid
 - b) Ulnar border of hand and forearm
 - c) Ulnar border of hand, forearm and upper arm
 - d) All of the above
136. Arthralgias are caused by all **EXCEPT**
- a) Quinidine
 - b) Cimetidine
 - c) Quinolones
 - d) Penicillamine
137. Secondary amenorrhoea after abortion is seen in
- a) Uterine atresia
 - b) Anemia
 - c) Endometritis
 - d) Asherman's syndrome
138. A 55 years old male presented with painless terminal hematuria. Cystoscopic examination revealed a solitary papillary growth. Histopathological examination of the resected growth is suggestive of grade III Transitional cell carcinoma with no muscle invasion. Further management of patient is best done by
- a) Radiotherapy
 - b) Intravesical chemotherapy
 - c) Intravesical BCG
 - d) Cystectomy
139. Horner syndrome occurs in
- a) Thyroid carcinoma
 - b) Lung carcinoma
 - c) Breast carcinoma
 - d) Thymic carcinoma
140. Features of **CHARGE** syndrome include all of the following **EXCEPT**
- a) Coloboma
 - b) Heart disease
 - c) Aniridia
 - d) Retarded growth
141. As per the diagnostic and statistical manual of mental disorders (DSM-IV-TR), the following personality disorder types are included in cluster disorders - B **EXCEPT**
- a) Antisocial
 - b) Histrionic
 - c) Obsessive - compulsive
 - d) Borderline

142. Walking epidural is analgesic modality of choice in
- Spine surgery
 - Labour
 - Orthopedic
 - None of the above
143. Dysphagia Lusoria is due to
- Oesophagial diverticulum
 - Aneurysm of aorta
 - Oesophagial web
 - Compression by aberrant blood vessel
144. In cancer Hypopharynx, lump in the neck is presenting feature in-----cases
- 35%
 - 20%
 - 10%
 - 5%
145. Hyperphosphorylated RB gene product
- Releases E2F
 - Binds with E2F
 - Binds with operon
 - Releases histone deacetylase
146. Cytokine inhibitor is
- Palivizumab
 - Canakinumab
 - Denosumab
 - Pegaptamib
147. The C-21 steroid hormone is
- Aldosterone
 - Dehydroepiandrosterone
 - Estradiol
 - Testosterone
148. The phenomenon known as "**HOLOCOENOSIS**" was introduced by
- Kurt Goldstein
 - Eric Berne
 - Karl Abraham
 - Anna Freud
149. Which of the following is **NOT** used in treatment of bilateral abductor paralysis of laryngeal nerve
- Laser Cordectomy
 - Epiglottopexy
 - Tracheostomy
 - Thyroplasty Type - II

150. Macrophages are converted into epithelioid cells when they are exposed to
- IL-1
 - TNF
 - TGF-beta
 - IFN-Gamma
151. Non-parametric test is used where
- Distribution is not gaussian
 - Sample size is small
 - Distribution is non-gaussian and small sample size
 - Large data
152. A lady wants LASIK treatment for her daughter. She asks for your opinion. All of the following are suitable for performing LASIK surgery EXCEPT
- Myopia of 4 Dioptres
 - Stable refraction for 1 year
 - Age of 15 years
 - Corneal thickness of 600 microns
153. The following is TRUE about Wasserhelle cell hyperplasia.
- Resemble hypernephroma in microscopy
 - Metastatic calcification is a common finding
 - It's referred to "polyglandular adenomatosis"
 - They appear orange-tan with a thin capsule on gross examination
154. Which one of the following microfilaria is NOT sheathed?
- Wuchereria bancrofti
 - Brugia malayi
 - Onchocerca volvulus
 - Loa Loa
155. Phosphodiesterase type 3 inhibitor is
- Palosuran
 - Fasudil
 - Cilostazol
 - Vardenafil
156. Among the eggs of the parasites given below which one has the largest dimensions?
- Ascaris lumbricoides
 - Ancylostoma duodenale
 - Schistosoma haematobium
 - Trichuris trichiura
157. Swallowtails are seen in
- Stab wound
 - Incised wound
 - Laceration
 - Chop wound

158. Models of health education include all EXCEPT
- a) Medial model
 - b) Motivational model
 - c) Social intervention model
 - d) Holistic model
159. "P" wave in ECG is absent in
- a) Atrial fibrillation
 - b) Atrial tachycardia
 - c) Sinus arrhythmia
 - d) WPW syndrome
160. Action of combined pills is mainly on
- a) Mucus
 - b) Tubes
 - c) Endometrium
 - d) Ovulation
161. Bradykinin receptor antagonist is
- a) Clevidipine
 - b) Icatibant
 - c) Relcovaptan
 - d) Ambrisentan
162. Which of the following is the best diagnostic MRI sequence to diagnose acute infarct?
- a) Conventional T2 weighted MRI sequence
 - b) FLAIR sequence
 - c) Diffusion weighted MRI with ADC mapping
 - d) Susceptibility weighted sequences
163. In which of the following conditions is hypoglycorrhachia (reduced CSF glucose levels) ABSENT?
- a) Acute bacterial meningitis
 - b) Tuberculosis meningitis
 - c) Mumps meningo encephalitis
 - d) Leptospirosis
164. Mode of inheritance of Emery - Dreifuss muscular dystrophy is
- a) Autosomal dominant
 - b) Autosomal recessive
 - c) X-linked dominant
 - d) X-linked recessive
165. Plethoric lung fields are seen in all of the following conditions, EXCEPT
- a) ASD (Atrial septal defect)
 - b) TAPVC (Total Anomalous Pulmonary Venous Connection)
 - c) Ebstein's Anomaly
 - d) VSD (Ventricular Septal Defect)

166. Which of the colonic polyps has no risk of malignancy?
- a) Juvenile polyps
 - b) Hamartomatous polyps associated with Peutz-Jegher's syndrome
 - c) Juvenile polyposis syndrome
 - d) Familial adenomatous polyposis syndrome
167. Post-menopausal uterine bleeding diagnosis is best made by
- a) Cone biopsy
 - b) Colposcopy
 - c) Fractional curettage
 - d) Ultrasound
168. A 30 years old patient gives history of chronic diarrhea and blood in the stool, presents with multiple fistulae in the perineum and multiple strictures in the small intestine. The diagnosis is
- a) Ulcerative colitis
 - b) Ischaemic bowel disease
 - c) Crohn's disease
 - d) Radiation enteritis
169. 4- Hydroxylation of specific prolyl residues during collagen synthesis requires all of the following **EXCEPT**
- a) Fe^{2+}
 - b) A specific amino acid sequence
 - c) Ascorbic acid
 - d) Succinate
170. Romanowsky's stains used in malaria are a combination of:
- a) Carbol fuchsin and Methylene blue
 - b) Toluidine blue and Eosin
 - c) Crystal violet and Eosin
 - d) Eosin and Methylene blue
171. The width of ligature mark on skin may not correspond with ligature when the material used is
- a) Rope
 - b) Woven belt
 - c) Nylon or silk fabric
 - d) Electric wire
172. All of the following are muscle channelopathies due to sodium channel abnormality **EXCEPT**
- a) Paramyotonia congenita
 - b) Hypokalemic periodic paralysis
 - c) Myotonia congenita (Thomson's disease)
 - d) Hyperkalemic periodic paralysis

173. Chronic subdural haematoma refers to collection present for a period of
- 7 days
 - 21 days
 - 6 months
 - 1 year
174. Investigation of choice for detection and characterization of interstitial lung disease is:
- High resolution Computed Tomography
 - Magnetic Resonance Imaging
 - Plain radiograph
 - PET CT
175. The direct effect of cAMP in the protein kinase A pathway is to
- Activate adenylate cyclase
 - Dissociate regulatory subunits from protein kinase
 - Phosphorylate certain cellular proteins
 - Phosphorylate protein kinase A
176. The term pseudo carrier refers to
- Carrier who escapes detection
 - Asymptomatic carrier
 - Avirulent organism carrier
 - All of the above
177. Most potent drug against hepatitis B virus is
- Entecavir
 - Tenofovir
 - Lamivudine
 - Telbivudine
178. Commonest complication of immunosuppression is
- Malignancy
 - Graft rejection
 - Thrombocytopenia
 - Infection
179. Which of the following congenital heart diseases is associated with carpenter syndrome?
- Ventricular septal defect
 - Atrial septal defect
 - Patent ductus arteriosus
 - Co-actation of Aorta
180. Hill's criteria for association include all **EXCEPT**
- Temporal association
 - Strength association
 - Spurious association
 - Biological plausibility