

PG 2005

# MEDICAL

Test Admission Ticket No.				

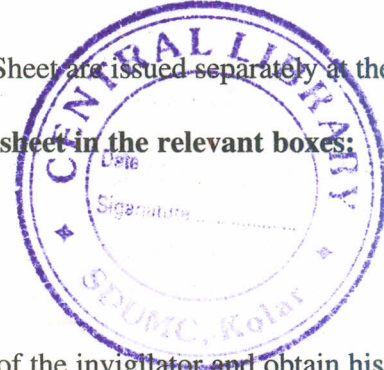
Question Booklet Version Code
<b>C</b>
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Question Booklet Sr. No.
<b>3123</b>
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OMR Serial Number					

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bc 2007



1. Intraneuronal cytoplasmic eosinophilic inclusion bodies are characteristic of

- a) Sub-acute sclerosing panencephalitis
- b) Creutzfeldt-jakob disease
- c) Rabies
- d) Borna disease

2. Which of the following symptoms is most suggestive of myocardial ischaemia.

- a) Epigastric discomfort after eating
- b) Exertional breathlessness and wheeze
- c) Exertional breathlessness and throat tightness
- d) Breathlessness with perioral and digital parasthesia

3. Griesinger's sign denotes

- a) Acute mastoiditis
- b) Otitis externa
- c) Lateral sinus thrombosis
- d) Sub dural abscess

4. Hyperextension of hip joint is prevented by

- a) Obturator internus tendon
- b) Ischiofemoral ligament
- c) Tensor fascia lata
- d) Ligamentum teres

5. The size of the "respirable dust" which is mainly responsible for pneumoconiosis is :

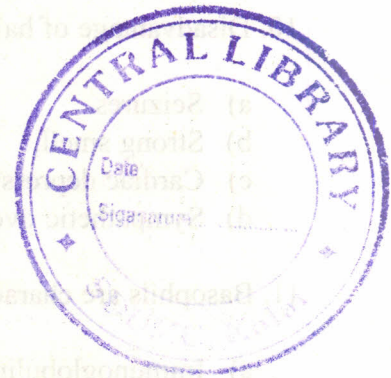
- a) more than 10 microns
- b) 6 – 10 microns
- c) less than 5 microns
- d) 25 microns

6. The malignancy commonly causing hypercalcemia is:

- a) Gastric carcinoma
- b) Thymoma
- c) Prostate carcinoma
- d) Multiple myeloma

7. The type of necrosis which occurs in infarction

- a) Caseous necrosis
- b) Fibrinoid necrosis
- c) Gangrenous necrosis
- d) Ischaemic coagulative necrosis



8. All are TRUE about Proton Pump Inhibitors ( PPI), **EXCEPT**

- a) Prodrug
- b) Reversibly inhibits proton pump.
- c) Can be destroyed by gastric acid
- d) Pantoprazole is the only PPI that can be given I .V.

9. Triple bubble radiographic sign is pathognomonic for

- a) Oesophageal atresia
- b) Duodenal atresia
- c) Jejunal atresia
- d) Colonic atresia

10. Disadvantage of halothane:

- a) Seizures.
- b) Strong smell.
- c) Cardiac depression and arrhythmia.
- d) Sympathetic over stimulation.

11. Basophils are characteristic of immunologic reactions mediated by

- a) Immunoglobulin – E
- b) Immunoglobulin - G
- c) Immunoglobulin - A
- d) Immunoglobulin – M

12. The cell membrane of most of the fungi contains

- a) Cholesterol
- b) Peptidoglycan
- c) Ergosterol
- d) Keratin

13. Mean radiant temperature of the surrounding is determined by

- a) Kata thermometer
- b) Sling psychrometer
- c) Aneroid barometer
- d) Globe thermometer

14. The following parasites cause thyroiditis except

- a) Ascariasis
- b) Echinococcosis
- c) Strongyloidiasis
- d) Cysticercosis



15. Bormann and Terblanche technique of cholecystectomy is:

- a) Subtotal cholecystectomy.
- b) Mini cholecystectomy.
- c) Partial cholecystectomy.
- d) Laparoscopic cholecystectomy.

16. Burst abdomen commonly occurs on

- a) 1<sup>st</sup> day
- b) 3<sup>rd</sup> day
- c) 7<sup>th</sup> day
- d) 10<sup>th</sup> day

17. P-53 acts in neoplasia as

- a) Checkpoint component
- b) Cyclin dependent kinase
- c) Inhibitor
- d) Initiator

18. Buffering capacity of hemoglobin is mainly due to the action of

- a) Imidazole group
- b) Imidazole and Guanido group
- c) Phenolic group
- d) Indole group

19. Milroy's disease is

- a) Congenital lymphedema
- b) Post cellulitic lymphedema
- c) Edema due to filariasis
- d) Lymphedema following surgery

20. Facial nerve palsy is a feature of

- a) Parotitis
- b) Mucoepidermoid carcinoma of parotid
- c) Pleomorphic adenoma
- d) Warthin's tumor

21. The normal volume of circulating CSF is in the region of :

- a) 100 ml.
- b) 200 ml
- c) 140 ml
- d) 250 ml

22. Nitrous oxide (laughing gas) was discovered by
- J.B. Priestley
  - Humphrey Davy
  - Horace Wells
  - P.C. Barton
23. The major mechanism for detoxification of ammonia in brain tissue is by formation of
- Urea
  - Creatinine
  - Alanine
  - Glutamine
24. India has reported zero cases of guinea worm since
- August 1986
  - August 1996
  - January 1998
  - January 2000
25. The pregnant mother in a rural area should be brought to the doctor when following danger signals appear, **EXCEPT**
- A temperature of 38° c and above during labour
  - Meconium stained liquor is observed
  - Good pain for an hour after rupture of membrane
  - Edema of lower limbs
26. 'Herald patch' signifies
- Psoriasis
  - Tinea corporis
  - Pityriasis rubra pilaris
  - Pityriasis rosea
27. Neutron activation analysis means measurement of different element proportion
- Deposited in hair
  - Deposited in blood
  - Deposited in saliva
  - Deposited in sweat



28. Odynophagia is a feature of

- a) Reflux esophagitis
- b) Herpes esophagitis
- c) Achalasia
- d) Diffuse esophageal spasm

29. All are components of metabolic syndrome, **EXCEPT**

- a) Triglycerides > 150 mg/dl
- b) Fasting blood glucose > 100 mg/dl
- c) LDL > 100 mg/dl
- d) HDL < 40 mg/dl

30. Poliomyelitis virus directly damages the specific anatomical sites

- a) Anterior horn cells
- b) Posterior horn cells
- c) Cerebellum
- d) Cerebrum.

31. Which among the following bacterial-antimicrobial resistance combinations, is of major international concern?

- a) Erythromycin resistance in *Streptococcus pyogenes*
- b) Vancomycin resistance in *Staphylococcus aureus*
- c) Ampicillin resistance in *Haemophilus influenzae*
- d) Penicillin resistance in *Neisseria gonorrhoeae*

32. The prolactin secretion stimulated by suckling is probably due to

- a) Stimulation of dopamine release
- b) Inhibition of dopamine release
- c) Stimulation of growth hormone
- d) Inhibition of growth hormone by the hypothalamus

33. Uterine leiomyoma will have ——— type of menstrual abnormalities

- a) Progressive menorrhagia
- b) Metrorrhagia
- c) Polymenorrhea
- d) Amenorrhea

34. Regarding rheumatic carditis which is false

- a) Characterised by pancarditis
- b) Isolated pericarditis is an exception rather than rule
- c) Pulmonary valve is almost never involved
- d) Aortic regurgitant murmur is the commonest murmur heard

35. \_\_\_\_\_ is deposited in the skin connective tissue and cartilage, and the pigmentation is known as ochronosis
- Melanin
  - Homogentisic acid
  - Lipofuscin
  - Hemosiderin
36. Drug of choice of life threatening mycotic infections
- Ketoconazole
  - Fluconazole
  - Griseofulvin
  - Amphotericin-B
37. Exposure and response prevention (ERP) is primarily indicated in the management of
- Dissociative disorder
  - Obsessive-compulsive disorder
  - Exhibitionism
  - Intermittent explosive disorder
38. Which of the following statements regarding Morgagni hernia is true?
- Commonly presents in childhood after streptococcal infection.
  - Occurs through a defect in the posterior pleuroperitoneal fold
  - Contains large bowel in over 90% of cases
  - May extent into pericardium
39. Skin involvement in carcinoma breast is
- Always T4
  - T3 if less than tumor size
  - T4 only if more than tumor size
  - T4 only if the tumor is larger than 5cm
40. Detection of minimal residual disease in leukemia is done by
- Magnetic resonance imaging
  - Immuno histo chemistry
  - Polymerase chain reaction
  - Erythrocyte sedimentation rate



41. Most common functional cyst of ovary is
- Corpus luteal cysts
  - Theca luteal cysts
  - Follicular cysts
  - All the above
42. Most common cause of acute liver failure in pregnancy is
- Acute fatty liver of pregnancy
  - Acute viral hepatitis
  - Budd chiari syndrome
  - Drug induced liver diseases
43. Drug of choice for euphoric mania
- Lithium
  - Valproate
  - Electro Convulsive Therapy
  - Olanzapine
44. The radioisotope gastric emptying study is done for
- Gastroparesis
  - Gastric malignancy
  - Gastric outlet obstruction
  - Gastro- esophageal reflux disease
45. Honeycombing liver is seen in case of
- Cirrhosis
  - Rupture
  - Putrefaction
  - Hydatid disease
46. Kaposi's varicelleform eruption refers to a widespread cutaneous infection with
- Herpes simplex virus type 1
  - Papilloma virus
  - Hepatitis B virus
  - Parvovirus
47. The following are the best indicators of the level of air pollution, **EXCEPT**
- Sulphur dioxide
  - Smoke index
  - Carbon monoxide
  - Suspended particulate matter

48. The most important source of reducing equivalents for fatty acid synthesis is

- a) Glycolysis
- b) Hexose monophosphate pathway
- c) Uronic acid pathway
- d) Gluconeogenesis

49. Neural crest cells give rise to

- a) Cerebrum
- b) Adrenal cortex
- c) Adrenal medulla
- d) Cerebellum

50. The cardiac compression to ventilation ratio in adult patients is

- a) 15:2
- b) 30:2
- c) 5:1
- d) 100:2

51. Mesothelioma is associated with:

- a) Crocidolite variety of asbestos
- b) Micropolyspora faeni
- c) Bagassosis
- d) Byssinosis

52. Short stature should be comprehensively evaluated if a patients height is \_\_\_\_\_ below the mean for age or if the growth rate has decelerated

- a) > 2 SD
- b) > 3 SD
- c) > 4 SD
- d) > 5 SD

53. Which of the following treatments has been shown to prolong life in chronic obstructive pulmonary disease

- a) Long term oxygen therapy
- b) Inhaled tiotropium
- c) Furosemide
- d) Sildenafil



54. All the following are true about Ewing's sarcoma, **EXCEPT**

- a) Seen mostly in children
- b) It is a diaphyseal tumor
- c) Shows hyperchromatic spindle shaped cells
- d) It has a poor prognosis

55. CA-125 is a tumor marker for malignancy of

- a) Prostate
- b) Liver
- c) Ovary
- d) Brain

56. Following are the oral formulations of mesalamine used in inflammatory bowel disease, **EXCEPT**

- a) Sulfasalazine
- b) Olsalazine
- c) Sulfapyridine
- d) Basalazide

57. All of the following are key imaging features of acromegaly, **EXCEPT**

- a) Enlargement of sella
- b) Increase in heel pad thickness
- c) Enlarged paranasal sinus
- d) Increased height of vertebral bodies

58. The most common organism that lead to prosthetic valve endocarditis is:

- a) Streptococcus
- b) Staphylococcus
- c) Gram negative bacilli
- d) Fungal

59. The effect of aldosterone on the renal tubular epithelium

- a) Increased absorption of sodium & secretion of potassium
- b) Decreased absorption of sodium & secretion of potassium
- c) Increased absorption of potassium & secretion of sodium
- d) Increased secretion of both sodium & potassium

60. Post ganglionic secretomotor fibres from otic ganglion to the parotid gland are carried through
- Auriculotemporal nerve
  - Greater auricular nerve
  - Facial nerve
  - Mandibular nerve
61. Which one of the following enzyme level is increased in urine in lead toxicity?
- ALA Synthase
  - ALA Dehydratase
  - Uroporphyrinogen I synthase
  - Uroporphyrinogen III cosynthase
62. Drug which is a specific benzodiazepine receptor antagonist
- Nalorphine
  - Naloxone
  - Flumazenil
  - Sufentanil
63. Cereal proteins are deficient in
- Lysine
  - Methionine
  - Tryptophan
  - Threonine
64. Removal of the organs enmasse in autopsy is called
- Virchow's method
  - Rokitansky's method
  - Ghon's method
  - Lettulle's method
65. Arterial blood gas analysis in a young adult revealed  $PAO_2$  of 90 mm Hg,  $PACO_2$  of 26 mm Hg, pH of 7.32 and  $HCO_3^-$  of 12 mmol/l. The acid- base disturbance is
- Metabolic acidosis.
  - Metabolic alkalosis.
  - Respiratory acidosis.
  - Respiratory alkalosis.



66. Vaginal carcinoma which has involved the mucosa of the bladder or rectum, according to FIGO staging belongs to
- STAGE I
  - STAGE II
  - STAGE III
  - STAGE IV
67. Syndrome resembling Acrodermatitis enteropathica has been observed in patients with secondary deficiency of:
- Chromium
  - Selenium
  - Zinc
  - Copper
68. In Lambert – Eaton syndrome, muscle weakness is caused due to antibodies against
- Nicotinic acetyl choline receptors
  - Sodium channels
  - Potassium channels
  - One type of calcium channels
69. Most common site of traumatic rupture during colonoscopy is
- Rectum
  - Sigmoid colon
  - Descending colon
  - Transverse colon
70. Which of these immunosuppressant drugs can cause hyperlipidemia?
- Azathioprine
  - Basiliximab
  - Sirolimus
  - Tacrolimus
71. Monocytosis is not seen in:
- Bacterial endocarditis.
  - SLE.
  - Malaria.
  - Pertusis.

72. Vision 2020: the right to sight, a WHO global initiative to combat blindness was launched in the year
- a) 1977
  - b) 1978
  - c) 1999
  - d) 2008
73. Which of the following is not included in active management of III stage of labour ?
- a) Uterotonic within 1 minute of delivery
  - b) Immediate clamping , cutting and ligation of the cord
  - c) General massage of uterus
  - d) Controlled cord traction
74. All are features of allergic broncho pulmonary aspergillosis, **EXCEPT**
- a) Pulmonary regurgitation
  - b) Tricuspid regurgitation
  - c) Mitral regurgitation
  - d) Aortic regurgitation
75. The prevention of food adulteration act provides that the level of iodization of salt at the production point should be
- a) 10 ppm
  - b) 20 ppm
  - c) 30 ppm
  - d) 40 ppm
76. The total number of cones in the human retina has been estimated as
- a) 110-125 million
  - b) 63-68 million
  - c) 40 million
  - d) 80-120 million
77. Nucleus of the hypoglossal nerve belongs to
- a) General somatic efferent column
  - b) General visceral efferent column
  - c) General visceral afferent column
  - d) General somatic afferent column

78. Staphylococcus aureus causes all the following cutaneous diseases except
- a) Impetigo
  - b) Necrotizing fascitis
  - c) Furunculosis
  - d) Toxic shock syndrome
79. Symptoms of Diffuse Lewy Body disease (DLB) include all except
- a) Visual hallucination
  - b) Capgras syndrome
  - c) Sleep disorder
  - d) Poor judgement
80. Corneal reflexes are lost during ether anaesthesia in
- a) Stage-2
  - b) Stage-3 Plane-III
  - c) Stage-3 Plane-I
  - d) Stage-3 Plane-II
81. Abduction of middle finger is brought about by
- a) Third dorsal interosseous
  - b) Third lumbrical
  - c) Second and third dorsal interossei
  - d) Second and third lumbricals
82. Which of the following is NOT a feature of males suffering from fragile -x syndrome
- a) Small testis
  - b) Large head and ears
  - c) Prominent chin
  - d) Mental Retardation
83. Active sulphate used for synthesis of glycosamino glycans is chemically
- a) Phospho sulphate
  - b) S-Adenosyl sulphate
  - c) Phospho adenosine phospho sulphate
  - d) Phospho adenosine sulphate



84. PERT means :

- a) Programme Evaluation and Review Technique
- b) Programme Evaluation and Rehabilitation Technique
- c) Progress Evaluation and Review Technique
- d) Progress Evaluation and Rehabilitation Technique

85. Cork screw oesophagus is seen in which of the following condition:

- a) Carcinoma oesophagus
- b) Scleroderma
- c) Achalasia cardia
- d) Diffuse oesophageal spasm

86. Presence of **HBSAg** and **IgM ANTI- HBC** indicates

- a) Immunisation with hepatitis B vaccine
- b) Chronic hepatitis B infection
- c) Hepatitis B carriers
- d) Active hepatitis B infection

87. All are examples of neurological channelopathies , **EXCEPT**

- a) Familial hemiplegic migraine
- b) Hypokalemic periodic paralysis
- c) Paramyotonic congenital
- d) Hypercalcemic periodic paralysis

88. A fourth heart sound is least likely to be heard in which of the following conditions

- a) Systemic hypertension
- b) Aortic stenosis
- c) Hypertrophic cardiomyopathy
- d) Atrial fibrillation

89. Duration of normal puerperium is

- a) 4 weeks
- b) 5 weeks
- c) 6 weeks
- d) 8 weeks

90. In anterior dislocation of shoulder, the nerve that may be injured is
- Ulnar nerve
  - Radial nerve
  - Circumflex nerve
  - Median nerve
91. A lumbar puncture is done on a 6 years old child with convulsions, clear CSF with raised pressure, shows 80 lymphocytes / micro litre, proteins are raised and glucose level is normal. The likely diagnosis is
- Pyogenic meningitis
  - Tuberculous meningitis
  - Viral meningitis
  - Normal CSF
92. Glitazones act on
- Alpha Glucosidase
  - ATP sensitive potassium channels
  - Peroxisome proliferating activated receptor gamma
  - Insulinase
93. Post-traumatic stress disorder is characterized by the following, **EXCEPT**
- Hyperarousal and startle reactions
  - Avoidance of events associated with the trauma
  - Hallucinatory and delusions
  - Emotional numbing
94. The poly cystic disease of the kidney is transmitted as
- Autosomal dominant trait
  - Autosomal rescessive trait
  - X linked
  - None of the above
95. Hartmann's operation is an excellent procedure of
- Elective procedure
  - Permanent colostomy
  - Excision of bowel
  - Old and feeble patient

96. The transport system present in the ascending limb of loop of Henle is
- a)  $\text{Na}^+ / \text{K}^+ / 2\text{Cl}^-$  Co-Transport
  - b)  $\text{Na}^+ / \text{K}^+$  Antiport
  - c)  $\text{Na}^+ / \text{H}^+$  Antiport
  - d)  $\text{Na}^+ / \text{Cl}^-$  Co-transport
97. Which one of the following does not have carbonic anhydrase inhibition activity
- a) Indapamide
  - b) Benzathiazide
  - c) Chlorthalidone
  - d) Hydrochlorothiazide
98. The following bacteria are most often associated with acute neonatal meningitis except.
- a) *Escherichia coli*
  - b) *Streptococcus agalactiae*
  - c) *Neisseria meningitidis*
  - d) *Listeria monocytogenes*.
99. Dalen-Fuchs nodules are characteristic feature of
- a) Endophthalmitis
  - b) Panophthalmitis
  - c) Sympathetic ophthalmitis
  - d) Acute iridocyclitis
100. The drug of choice in a case of vulvo vaginal candidiasis
- a) Metronidazole
  - b) Ciprofloxacin
  - c) Ketoconazole
  - d) Doxycycline
101. The histologic types of gall bladder adenoma are the following except
- a) Tubular
  - b) Tubulopapillary
  - c) Insular
  - d) Papillary



102. 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

103. The following type of lung cancer is neuroendocrine in origin

- a) Squamous carcinoma lung
- b) Adenocarcinoma lung
- c) Small cell carcinoma lung
- d) Alveolar cell carcinoma lung

104. Sodium potassium pump is an

- a) Example for active transport
- b) Electrogenic pump
- c) Both a and b
- d) Neither a nor b.

105. Lachman's test is used to test which one of the following

- a) Meniscal tear
- b) Collateral ligament tear
- c) Anterior cruciate ligament
- d) Posterior cruciate ligament

106. Identify the cestode which require two intermediate host

- a) Echinococcus granulosus
- b) Hymenolepis nana
- c) Diphyllbothrium latum
- d) Taenia solium

107. Sulphonylureas trigger insulin secretion by acting through which sulphonylurea receptor on beta cell surface.

- a)  $\text{Ca}^{2+}$  channel
- b)  $\text{Cl}^-$  channel
- c)  $\text{Na}^+$  channel
- d)  $\text{K}^+$  channel

108. Artery to the Ductus Deferens (Vas Deferens) is a branch of

- a) Inferior epigastric artery
- b) Superior epigastric artery
- c) Superior vesical artery
- d) Cremasteric artery

109. Which of the following is not an amide

- a) Lidocaine
- b) Procaine
- c) Prilocaine
- d) Editocaine

110. The glycosaminoglycan which functions as lubricant and shock absorber in synovial fluid is

- a) Heparin
- b) Hyaluronic Acid
- c) Keratan Sulphate
- d) Chondroitin Sulphate

111. Normal lead level in urine.

- a) 0.1-0.2 mg /L.
- b) 0.2-0.8 mg/L
- c) 1-8 mg/L
- d) 10-15 mg/L

112. Which one of the following would be the best intramuscular dose of adrenaline in patients with acute anaphylactic shock and airway compromise

- a) 1 ml of 1 in 1000 Adrenaline
- b) 1 ml of 1 in 10000 Adrenaline
- c) 10 ml of 0.1% Adrenaline
- d) 10 ml of 1% Adrenaline

113. The chest pain in unstable angina is due to

- a) Fixed stenosis
- b) Dynamic stenosis
- c) Predictable stenosis
- d) Pericarditis

114. Enophthalmos is due to

- a) Fracture roof of orbit
- b) Fracture medial wall of orbit
- c) Fracture lateral wall of orbit
- d) Fracture floor of orbit

115. Premature closure of sagittal suture produces long and narrow skull. what is the term used?

- a) Plagiocephaly
- b) Trionocephaly
- c) Brachycephaly
- d) Scaphocephaly

116. The type of emphysema associated with alpha – 1 – antitrypsin deficiency is

- a) Centrilobular
- b) Paraseptal
- c) Panacinar
- d) Irregular

117. In a healthy, alert sitting with the eyes closed, the dominant EEG rhythm observed with electrodes over the occipital lobes is

- a) Delta (0.5- 4 Hz)
- b) Theta ( 4- 7 Hz)
- c) Alpha (8 – 13 Hz)
- d) Beta (18 – 30 Hz)

118. In a congenital hypothyroid baby the starting dose of L-Thyroxine

- a) 1 µg/kg/day
- b) 5 µg/kg/day
- c) 10 µg/kg/day
- d) 15 µg/kg/day

119. Hereditary retinoblastoma develop due to the following chromosomal deletion of

- a) 13P14
- b) 13Q14
- c) 14P13
- d) 14Q13

120. The following are poor prognostic factors in childhood leukemia, **EXCEPT**

- a) Testicular involvement
- b) Mediastinal mass
- c) Massive hepatosplenomegaly
- d) Hyperdiploidy



121. Primary cells infected by M. tuberculosis are

- a) Lymphocytes
- b) Macrophages
- c) Mast cells
- d) Epithelial cells

122. Optical Coherence Tomography is used to

- a) Measure retinal thickness
- b) Measure corneal thickness
- c) To measure aqueous humor secretion
- d) To measure rate of flow of aqueous humor

123. In early pregnancy, level of HCG in plasma doubles every

- a) 2 days
- b) 4 days
- c) Weekly
- d) Only gradually increases

124. Telefono is repeated slaps on

- a) Either side of head on ears
- b) Either side of neck
- c) Either side of chest
- d) Either side of abdomen

125. Bockhart's impetigo is

- a) A form of bullous impetigo
- b) Variant of impetigo contagiosa
- c) Folliculitis of the ostium
- d) Sycosis barbae

126. Which of the following factors are overproduced by adipose tissue cells causing cellular insulin resistance in obesity?

- a) Leptin and Tumour Necrosis Factor  $\alpha$  (TNF -  $\alpha$ )
- b) Carnitine and Tumour Necrosis Factor  $\beta$  (TNF -  $\beta$ )
- c) Cyclic AMP and Cyclic GMP
- d) Cyclic AMP and Interleukin - 6 (IL - 6)

127. The definitive intervention for the termination of ventricular fibrillation is

- a) Endo tracheal intubation
- b) Defibrillation
- c) Injection Adenosine
- d) Injection Atropine

128. Recommended daily allowance of calcium during pregnancy is

- a) 400 mg
- b) 1000 mg
- c) 500 mg
- d) 600 mg

129. True regarding choanal atresia is

- a) Due to persistence of bucconasal membrane
- b) Due to persistence of oropharyngeal membrane
- c) Due to persistence of sinus membrane
- d) All of the above

130. For virological examination, tissues are to be preserved in

- a) 10% formalin
- b) 50% glycerin
- c) Absolute alcohol
- d) Saturated solution of common salt

131. Brain stem lesion causes

- a) Type II acute respiratory failure
- b) Type I acute respiratory failure
- c) Type II chronic respiratory failure
- d) Type I chronic respiratory failure

132. Durck's granuloma is seen in:

- a) Leishmanial infection
- b) Malarial infection
- c) Filarial infection
- d) Schistosoma infection

133. Breast feeding is contraindicated in

- a) Maternal hepatitis C infection
- b) Maternal cyto megalovirus infection
- c) Maternal active untreated tuberculosis
- d) Maternal herpes simplex virus

134. Terminal interphalangeal joints of hands are commonly involved in

- a) Psoriatic arthropathy
- b) Rheumatoid arthritis
- c) Gouty arthritis
- d) Ankylosing spondylitis

135. An early sensitive and specific histological marker for reflux esophagitis is

- a) Basal zone hyperplasia
- b) Intraepithelial polymorphs
- c) Intraepithelial eosinophils
- d) Papillae extending into the superficial third of the epithelium

136. All are pyrimidine analogs, **EXCEPT**

- a) Cladribine
- b) Capecitabine
- c) Cytarabine
- d) Gemcitabine

137. When carbondioxide diffuses into blood in the systemic capillaries most of it

- a) Remains in solution as carbondioxide
- b) Is converted into carbamino compounds
- c) Is converted to bicarbonate ions in the red blood corpuscles
- d) Combines with water in the plasma to form carbonic acid

138. Pseudo-appendicitis syndrome is seen in:

- a) Crohn's disease.
- b) Ulcerative colitis.
- c) Intestinal tuberculosis.
- d) All the above

139. Barlows test in congenital dislocation of hip is performed to test whether the joint is

- a) Dislocated and reducible
- b) Dislocatable and reducible
- c) Reducible and not dislocatable
- d) Dislocated and irreducible

140. Human viruses characterized by helical symmetry of viral nucleic acid are

- a) All enveloped viruses
- b) All DNA viruses
- c) Empty helical particles containing no nucleic acid produced in infected cells
- d) All classified into same virus family



141. Laryngocoel arises as herniation of laryngeal mucosa through the following membrane:

- a) Thyroid
- b) Cricothyroid
- c) Cricotracheal
- d) None of the above

142. The variability of one character in two different groups having different magnitude of values or two characters in the same group can be compared by:

- a) Standard error of the mean
- b) Coefficient of variation
- c) Standard error of difference between two means
- d) 'Z' test

143. The left gastric artery

- a) Lies on the superior border of the pancreas
- b) Crosses the left crus of the diaphragm
- c) Is the largest branch of the coeliac trunk
- d) Supplies the right half of the lesser curvature

144. Pre exposure prophylaxis to a wild animal sanctuary officer against rabies include the following procedure

- a) Intra dermal injection of 0.1ml cell cultured vaccine
- b) Administration of anti rabies serum
- c) Simultaneous administration of both intra dermal and intra muscular vaccine
- d) Personal protective devices

145. Perineural spread commonly seen in

- a) Adenocarcinoma
- b) Adenoid cystic carcinoma
- c) Acinic cell tumor
- d) Squamous cell carcinoma

146. Isolated gonadotrophin deficiency is seen in

- a) Cushing's syndrome
- b) Kallmann's syndrome
- c) Turner's syndrome
- d) Klinefelter's syndrome

147. Systemic inflammatory response syndrome is characterized by all the following **EXCEPT**

- a) Temperature > 38 degree celsius
- b) Total leucocyte count > 12,000
- c) Respiratory rate > 24/min
- d) Hypotension

148. Leydig cell dysfunction in male infertility is associated with

- a) Low levels of Follicle Stimulating Hormone and Luteinizing Hormone (FSH&LH)
- b) Normal levels of Follicle Stimulating Hormone and Luteinizing Hormone (FSH&LH)
- c) Raised Luteinizing Hormone levels with low Testosterone level
- d) None of the above

149. The mechanism of the respiratory distress syndrome of new born is

- a) Diffuse pulmonary infections
- b) A deficiency in pulmonary surfactant
- c) Pulmonary contusions diffuse
- d) Disseminated intra vascular coagulation

150. Which of the following statements is false about spondyloarthropathies

- a) Joints of the axial skeleton as well as limbs are involved
- b) Enthesitis is characteristic
- c) Rheumatoid factor is always positive
- d) Psoriatic arthritis belongs to this group

151. Munro micro abscesses is seen in

- a) Darier's disease
- b) Psoriasis
- c) Mycosis fungoides
- d) Dermatitis herpetiformis

152. Regarding Electro Convulsive Therapy (ECT), the following are true **EXCEPT**

- a) Memory disturbances following ECT are mostly transient
- b) ECT is the most effective treatment of severe depression
- c) ECTs are contra-indicated during pregnancy
- d) Unilateral ECT is associated with less memory loss than bilateral ECT

153. Blood platelets in stored blood do not remain functional after \_\_\_\_\_ hrs

- a) 24
- b) 48
- c) 72
- d) 96

154. Ormond's disease is:

- a) Variant of retroperitoneal tumor.
- b) Idiopathic retroperitoneal fibrosis.
- c) Retroperitoneal abscess.
- d) Retroperitoneal sarcoma.

155. Periportal hepatic necrosis is seen in:

- a) Alcoholic hepatitis
- b) Hepatitis C infection
- c) Eclampsia
- d) Haemochromatosis

156. Which one of the following activities is harmful for a patient with primary osteoarthritis of knee joint

- a) Walking
- b) Sitting
- c) Standing
- d) Squatting

157. Following the onset of first trimester bleeding, if intermittent painful uterine contractions occur with open Internal OS, the diagnosis is

- a) Blighted ovum
- b) Inevitable abortion
- c) Septic abortion
- d) Threatened abortion

158. In Mobitz type 1 second degree heart block the conduction is impaired

- a) Below the bundle of HIS
- b) At the distal conducting tissues
- c) In the ventricle
- d) Proximal to the bundle of HIS



159. Bagassosis is caused by inhalation of:

- a) Cotton fibre dust
- b) Mouldy hay
- c) Sugarcane dust
- d) Grain dust

160. Advantage of mediolateral episiotomy over midline episiotomy

- a) Less blood loss
- b) Easy to repair
- c) Less painful
- d) Less chance of extension to anal sphincter

161. The surgical procedure for weakening of the action of an extraocular muscle is called

- a) Recession
- b) Tucking
- c) Resection
- d) Advancement

162. All the given special senses have relay to the thalamus, **EXCEPT**

- a) Vision
- b) Hearing
- c) Smell
- d) Taste

163. Hypodense intracranial lesion is seen on CT scan of brain in

- a) Lipoma of corpus callosum
- b) Chordoma
- c) Craniopharyngioma
- d) Arachnoid cyst

164. The rate of regeneration of axons following injury is

- a) 2-3 mm per day
- b) 3-4 mm per day
- c) 1-2 mm per day
- d) 10 mm per day

165. "Rule of halves" is noted in which disease

- a) Coronary heart disease
- b) Stroke
- c) Hypertension
- d) Diabetes Mellitus

166. Compression Atelectasis results from following conditions, **EXCEPT**

- a) Pneumothorax
- b) Hydrothorax
- c) Fibrotic changes in lung
- d) Tumor in the lung

167. Which of the following is a form of cutaneous tuberculosis

- a) Lupus vulgaris
- b) Pemphigus vulgaris
- c) Verruca vulgaris
- d) Psoriasis vulgaris

168. A method of homicidal smothering and traumatic asphyxia is known as -

- a) Chocking
- b) Gagging.
- c) Burking.
- d) Overlying.

169. For which one of the following genetic mutations screening test is available

- a) SDH mutation
- b) RET mutation
- c) NF-1 mutation
- d) VHL mutation

170. Bacteria whose capsule is made of polypeptide is

- a) Streptococcus pneumoniae
- b) Cryptococcus neoformans
- c) Bacillus meningitidis
- d) Neisseriae meningitidis

171. Clue cells are identified in case of

- a) Chlamydial infection
- b) Bacterial vaginosis
- c) Candidiasis
- d) Herpes genitalis

172. In paralytic squint

- a) Primary deviation is more than secondary deviation
- b) Secondary deviation is more than primary deviation
- c) Primary deviation is equal to secondary deviation
- d) None of the above

173. The vitamin A supplement administered in prevention of nutritional blindness in children programme contain

- a) 25, 000 IU/ml
- b) 1 lakh IU/ml
- c) 2 lakh IU/ml
- d) 5 lakh IU/ml

174. In hereditary spherocytosis, hemolysis is

- a) Intravascular.
- b) Extravascular.
- c) Both of the above.
- d) None of the above.

175. The first line of drug in the treatment of methicilline resistant staphylococcal infections

- a) Cloxacilin
- b) Imepenum
- c) Vancomycin
- d) Spectinomycin

176. During exercise, a man consumes 1.8 L of oxygen per minute. His arterial oxygen content is 190ml/L and the oxygen content of his mixed venous blood is 134ml/ L. His cardiac output is approximately

- a) 3.2L/min
- b) 16L/min
- c) 32L/min
- d) 54L/min

177. 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

178. Which of the following parts of the body is not affected by leprosy

- a) Testes
- b) Ovary
- c) Nasal mucosa
- d) Axilla

179. The amide nitrogen of glutamine is a source of nitrogen for the

- a) Denovo synthesis of purine nucleotides
- b) Denovo synthesis of pyrimidine nucleotides
- c) Synthesis of GMP from IMP
- d) All of the above

180. Mucopolysaccharidosis type II (Hunter Syndrome) is an example of which disorder

- a) X – linked recessive
- b) X – linked dominant
- c) Autosomal dominant
- d) Autosomal recessive

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**SPACE FOR ROUGH WORK**