PGM-CET 2015
QUESTION BOOKLET

Candidate’s Signature

Invigilator’s Signature

Instructions to Candidates

1. **The Question Booklet has one seal sticker. Examinee should open the seal at 10.00 a.m.**
2. This question booklet contains 300 Objective Type Questions (Single Best Response Type MCQ) in the subjects of MBBS.
3. **The Question Paper and OMR (Optical Mark Reader) Answer Sheets** are issued to examinees separately at the beginning of the examination session.
4. Choice and sequence for attempting questions will be as per the convenience of the candidate.
5. Candidate should carefully read the instructions printed on the Question Booklet and Answer Sheet and make the correct entries on the Answer Sheet. As Answer Sheets are designed to suit the OPTICAL MARK READER (OMR) SYSTEM, special care should be taken to mark appropriate entries/answers correctly. Special care should be taken to fill QUESTION BOOKLET VERSION, QUESTION BOOKLET SERIAL No. and PGM-CET Roll No. accurately. The correctness of entries has to be cross-checked by the invigilators. **The candidate must sign on the Answer Sheet and Question Booklet.**
6. Read each question carefully.
   Determine **ONE** correct answer from out of the four available options given for each question. All the candidates are instructed to **carefully see in Question Booklet the Serial No. of MCQ and the sequence of options A), B), C) and D) in the MCQ** while entering the answer in the Answer Sheet.
7. Fill the appropriate circle completely like this ●, for answering the particular question, with **Black ink Ball point pen only**, in the OMR Answer Sheet. Candidate should completely darken one and the only one best response (oval). Candidate should not use any other method for answering i.e half circle, dot, tick mark, cross etc. as these may not be read by the scanner. Answer sheet of each candidate will be evaluated by computerized scanning method only (Optical Mark Reader) and there will not be any manual checking during evaluation and verification.
8. Each answer with correct response shall be awarded one (1) mark. There is **No Negative Marking.** If the examinee has marked two or more answers or has done scratching and overwriting in the Answer Sheet in response to any question, or has marked the circles inappropriately, mark(s) shall NOT be awarded for such answer/s.
9. Use of whitener or any other material to erase/hide the circle once filled is not permitted. Avoid overwriting and/or striking of answers once marked.
10. Rough work should be done only on the blank space provided on the Question Booklet. **Rough work should not be done on the Answer Sheet.**
11. Confirm that both the candidate and invigilator have signed on question booklet and answersheet. Immediately after the prescribed examination time is over, the **Question Booklet and Answer Sheet are to be returned to the invigilator.**
12. No candidate is allowed to leave the examination hall till the examination session is over.

P.T.O.
1. Which cells produce the surfactant in conducting part of the lungs?
   A) Goblet cells  B) Brush cells  C) Basal cells  D) Clara cells

2. Which one of the following bursae always communicates with knee joint cavity?
   A) Prepatellar  B) Suprapatellar  C) Superficial infrapatellar  D) Deep infrapatellar

3. Which one of the following muscles of larynx causes abduction of vocal cords?
   A) Transverse arytenoid  B) Oblique arytenoid  C) Posterior cricoarytenoid  D) Lateral cricoarytenoid

4. Which of the following tract carries thermal sensation?
   A) Anterior spinothalamic  B) Lateral spinothalamic  C) Spinotectal  D) Posterior column tract

5. Subarachnoid space extends till
   A) S1 vertebra  B) S2 vertebra  C) L1 vertebra  D) L3 vertebra

6. Which artery is the branch of posterior division of internal iliac Artery?
   A) Superior gluteal  B) Inferior gluteal  C) Obturator  D) Middle rectal

7. Which muscle is attached to the tuberosity of navicular bone?
   A) adductor hallucis  B) flexor hallucis brevis  C) tibialis anterior  D) tibialis posterior

8. Parasympathetic or secretomotor fibers to otic ganglion are carried by or through the following petrosal nerve
   A) Greater  B) Lesser  C) Superficial  D) Deep

9. Which of the following structure DOES NOT open in internal jugular vein?
   A) Inferior petrosal sinus  B) Inferior thyroid vein  C) Middle thyroid vein  D) Lingual vein

10. In Guillain Barre syndrome following cells are affected
    A) Anterior horn cells  B) Schwann cells  C) Ependymal cells  D) Dorsal root ganglion cells

11. Which of the following muscle is supplied by axillary nerve?
    A) Teres minor  B) Teres major  C) Supraspinatus  D) Infraspinatus

12. All the following structures are present in porta hepatis EXCEPT
    A) Portal vein  B) Hepatic ducts  C) Hepatic artery  D) Hepatic veins
13. Which of the following vein of heart **DOES NOT** open in to coronary sinus ?
   A) Great cardiac  B) Middle cardiac  
   C) Anterior cardiac  D) Right marginal

14. Which of the following structure is **NOT** present in carotid sheath ?
   A) Vagus nerve  B) Common carotid artery  
   C) Internal carotid artery  D) External carotid artery

15. Which type of hernia is commonest in young adults ?
   A) Lateral direct inguinal  B) Medial direct inguinal  
   C) Oblique inguinal  D) Umbilical

16. Heart rate accelerates during inspiration and decelerates during expiration is known as
   A) Sinus arrythmia  B) Bainbridge reflex  
   C) Cushing’s reflex  D) Marey’s law

17. Heparin prevents coagulation by
   A) Binding to Ca ions  B) Increasing effectiveness of antithrombin III  
   C) Inhibiting synthesis of prothrombin  D) Forming insoluble Ca salts

18. Bone resorption is inhibited by
   A) Parathyroid hormone  B) Thyroid hormones  
   C) Cortisol  D) Estrogen

19. Thirst is stimulated by
   A) increase in plasma osmolality and volume  
   B) increase in plasma osmolality and a decrease in plasma volume  
   C) decrease in plasma osmolality and increase in plasma volume  
   D) decrease in plasma osmolality and volume

20. Ratio of glomerular filtration rate to renal plasma flow is known as
   A) Filtration coefficient  B) Filtration fraction  
   C) Diffusion coefficient  D) Ejection fraction

21. Cross bridges in skeletal muscles are structural component of
   A) Actin  B) Myosin  C) Tropomyosin  D) Troponin

22. In His bundle electrogram, an ‘A’ deflection indicates
   A) SA node activation  B) AV node activation  
   C) Atrial depolarisation  D) Ventricular depolarisation
23. Intention tremors are seen in the lesions of
   A) Basal ganglia  B) Cerebellum
   C) Thalamus  D) Hypothalamus

24. In the utricle, tip links in the hair cells are involved in
   A) formation of perilymph
   B) regulation of distortion activated ion channels
   C) depolarisation of stria vascularis
   D) movements of the basement membrane

25. Ratio of stroke volume output to compliance of arterial tree approximately determines
   A) Pulse pressure  B) Mean arterial blood pressure
   C) Systolic pressure  D) Diastolic pressure

26. The major stimulus for receptive relaxation of stomach is
   A) Food entry in stomach  B) Food entry in intestine
   C) Secretin  D) Cholecystokinin

27. Which of following substance is actively secreted in Renal tubules?
   A) Amino acid  B) Chloride
   C) Glucose  D) Potassium

28. Oxygen therapy is of very limited value in all types of hypoxia EXCEPT
   A) Hypoxic hypoxia  B) Anaemic hypoxia
   C) Stagnant hypoxia  D) Histotoxic hypoxia

29. Which statement is true about Nociceptors?
   A) are activated by strong pressure, severe cold, severe heat and chemicals
   B) are absent in visceral organs
   C) are innervated by group II afferents
   D) are involved in acute but not chronic pain

30. The tendency for turbulent flow to occur is inversely proportional to
   A) velocity of blood flow  B) viscosity of blood
   C) diameter of blood vessel  D) density of blood

31. Inhibitor of complex IV (cytochrome oxidase) of electron transport chain is
   A) Cyanide  B) Antimycin A
   C) Dinitrophenol  D) Malonate

32. The amino acid which does NOT allow the formation of alpha-helix is
   A) Glutamate  B) Proline
   C) Tyrosine  D) Histidine
33. The RNA involved in production of correct 3’ ends of Histone mRNA is
   A) sn RNA       B) si RNA       C) mi RNA       D) nc RNA

34. In the genetic disease, Xeroderma Pigmentosum, the cells fail to repair damaged DNA, due to the defect in
   A) Double stranded break repair              B) Base excision repair
   C) Mismatch repair                           D) Nucleotide excision repair

35. Allopurinol is a competitive inhibitor of
   A) PRPP synthetase                        B) Glucose 6 phosphatase
   C) Xanthine oxidase                      D) Adenosine deaminase

36. The vitamin whose coenzyme is required in Transamination reaction is
   A) Thiamine                              B) Pyridoxine
   C) Folic acid                           D) Biotin

37. Heme is converted to Bilirubin in
   A) Mitochondria                        B) Microsomes
   C) Golgi bodies                       D) Plasma membrane

38. HHHH syndrome is caused by defect in
   A) Ornithine Permease                B) Ornithine Transcarbamyolase
   C) Arginase                        D) Argininosuccinate Lyase

39. Aldosterone acts by promoting
   A) Reabsorption of sodium and excretion of potassium
   B) Reabsorption of potassium and excretion of sodium
   C) Excretion of both sodium and potassium
   D) Reabsorption of both sodium and potassium

40. The following are appetite decreasing factors EXCEPT
   A) Leptin                                    B) Melanocyte stimulating hormone
   C) Glucagon related peptide I             D) Neuropeptide Y

41. The first enzyme to be released into circulation after myocardial infarction is
   A) Alanine Transaminase                B) Aspartate Transaminase
   C) Lactate Dehydrogenase              D) Creatine Phosphokinase

42. Rancidity of fats is due to
   A) Cyclic hydrocarbons                B) Lysolecithin
   C) Glycosphingolipids               D) Cholesterol

43. One of the oldest and most widely used bioinformatic database is
   A) UniGen                        B) GDB
   C) OMIM                        D) UniProt
44. All are true for renal handling of acids during metabolic acidosis EXCEPT
   A) Hydrogen ion secretion is increased
   B) Bicarbonate secretion is increased
   C) Urinary ammonia is increased
   D) Renal glutaminase activity is increased

45. Non heme iron containing protein is
   A) Myoglobin    B) Catalase
   C) Ferritin      D) Cytochrome oxidase

46. Advantages of second generation antihistaminic drugs are all EXCEPT
   A) Less Sedation    B) Less interaction with Alcohol
   C) More antipruritic action  D) Less psychomotor disturbance

47. Which of the following antimalarial drug is used in combination with artemether as fixed-dose combination ?
   A) Mefloquine    B) Piperaquine
   C) Pyronaridine  D) Lumifantrine

48. Which of the following is adrenergic neurone blocker drug ?
   A) Guanethidine B) Reserpine
   C) Sodium Nitropruside D) Hydralazine

49. Erythromycin is beneficial in patients with gastroparesis because it
   A) increases bacterial count  B) decreases bacterial count
   C) inhibits motilin receptors  D) stimulates motilin receptors

50. Drug NOT USED in H. Pylori infection is
   A) Amoxycillin    B) Metronidazole
   C) Mosapride     D) Omeprazole

51. All of the following are antiplatelet agents EXCEPT
   A) Aspirin        B) Urokinase
   C) Ticlopidine    D) Clopidogrel

52. Which of the following is the most clot-specific thrombolytic ?
   A) Hyaluronidase B) Urokinase
   C) Alteplase     D) Streptokinase

53. Flacid paralysis of worms is caused by
   A) Piperazine citrate B) Diethyl carbamazine
   C) Mebendazole     D) Niclosamide
54. Dopamine receptor agonist used in the treatment of parkinsonism is
   A) Selegiline  B) Tolcapone
   C) Ropinirole  D) Amantadine

55. Which of the following agent is preferred for induction as well as maintenance of anesthesia?
   A) Phenobarbitone  B) Pentobarbitone
   C) Thiopentone sodium  D) Propofol

56. Advantage of Angiotensin receptor blocker over ACE inhibitor is it
   A) can be given in Asthma  B) causes dry cough rarely
   C) can be given in pregnancy  D) doesn’t cause rebound hypertension

57. Which of the following monoclonal antibody is used for the treatment of allergic asthma?
   A) Natalizumab  B) Omalizumab
   C) Tocilizumab  D) Eculizumab

58. Receptor Concept was first introduced by
   A) Walksman  B) Paul Ehrlich
   C) Simmonds  D) Langley

59. Addition of adrenaline to local anaesthetic results in all of the following effects, EXCEPT
   A) It makes the injection more painful
   B) It decreases chances of subsequent local tissue oedema
   C) It provides a bloodless field for surgery
   D) It reduces systemic toxicity of local anaesthetic

60. Which one of the following is a pro-drug?
   A) Ampicillin  B) Captopril  C) Phenytoin  D) Levodopa

61. The drug of choice for Pernicious anaemia is
   A) Oral Vit. B₁₂  B) Injectable Vit. B₁₂
   C) Inj. Iron  D) Inj. Vit. C

62. Which of the following is the antihelminthic of choice for the treatment of neurocysticercosis?
   A) Mebendazole  B) Albendazole
   C) Thiabendazole  D) Ivermectin

63. Which of the following is radiomimetic drug?
   A) Azathioprine  B) Busulfan
   C) 5 Fluoro uracil  D) Nitrogen mustard
64. Which of the following drug is used for treatment of pulmonary hypertension?
   A) Phosphodiesterase – 5 inhibitors
   B) Beta_2 adrenergic agonists
   C) Calcium channel blockers
   D) Angiotensin II receptor antagonists

65. Drug used in opioid induced constipation is
   A) Lubiprostone       B) Alvimopan
   C) Prucalopride      D) Docusates sodium

66. Which of the following is a proto-oncogene?
   A) Myc               B) BCl_2               C) BRCA1               D) RB

67. Which vitamin influences tissue repair?
   A) Vitamin A         B) Vitamin B         C) Vitamin C         D) Vitamin D

68. HLA B27 is **NOT** seen in
   A) SLE               B) Ankylosing Spondylitis
   C) Reiter’s Syndrome D) Psoriatic Arthritis

69. 40 years male presented with pallor and splenomegaly for 4 months. His peripheral
    blood smear showed few basophils with shift to left in myeloid series. His most
    probable diagnosis is
   A) Acute myeloid leukemia       B) Chronic myeloid leukemia
   C) Acute lymphoblastic leukemia  D) Chronic lymphoid leukemia

70. Marker for Langerhans cell histiocytosis is
   A) CD 5                  B) CD 22                  C) CD 1a                  D) CD 30

71. Inactivation of BRCA1 and BRCA2 genes leads to increased risk of which
    malignancy?
   A) Colon                B) Kidney                C) Breast                D) Liver

72. The action of prostacyclin is
   A) Vasodilation and inhibition of platelet aggregation
   B) Vasoconstriction and promote platelet aggregation
   C) Bronchospasm
   D) Inhibitor of inflammation

73. Following pathogenetic mechanisms operate in septic shock **EXCEPT**
   A) Increased peripheral vascular resistance
   B) Venoconstriction
   C) Direct toxic endothelial injury
   D) Activation of complement
74. In acute inflammation, pain is mediated by
   A) Chemokines           B) Histamine
   C) Prostaglandin        D) Serotonin

75. Physaliferous cells are seen in
   A) Phyllodes tumour     B) Chordoma
   C) Meningioma          D) Pheochromocytoma

76. Which of the following is an anti-apoptotic gene?
   A) Bcl-2              B) Bak             C) Bax               D) Bim

77. Which type of necrosis is characterized by visible Chalky-white areas?
   A) Coagulative necrosis B) Liquefactive necrosis
   C) Fat necrosis        D) Fibrinoid necrosis

78. Chemotaxis is promoted by all EXCEPT
   A) Lymphokine          B) Kallikrine
   C) Serotonin           D) Complement C₅

79. Following gene is called as ‘Molecular policeman’
   A) P 53                B) APC              C) BRCA              D) NF-1

80. The following is low risk type human papilloma virus
   A) HPV – 6            B) HPV – 18          C) HPV – 16          D) HPV – 31

81. Micronodular cirrhosis is seen in all EXCEPT
   A) Alcoholic cirrhosis B) Wilson’s disease
   C) Budd chiari syndrome D) Indian childhood cirrhosis

82. Autophagic vacuoles are seen in which type of cellular adaptation?
   A) Hyperplasia         B) Hypertrophy      C) Metaplasia        D) Atrophy

83. Oxygen dependent killing is done through
   A) NADPH oxidase       B) Superoxide dismutase
   C) Catalase            D) Glutathione peroxidase

84. Autosplenectomy is seen in
   A) Thalassemia         B) Hereditary spherocytosis
   C) Sickle cell anaemia D) Myelofibrosis

85. Libman sacks endocarditis is
   A) Endocarditis in SLE B) Infective endocarditis
   C) Endocarditis in Rheumatic fever D) Tuberculous endocarditis
86. Amyloid Light chain (AL) is derived from
   A) Lymphocytes  B) Plasma cells
   C) Macrophages  D) Basophils

87. Which disorder is characterized by large, bulky vegetations on heart valve?
   A) Infective endocarditis  B) Rheumatic heart disease
   C) Libman-Sack’s endocarditis  D) Nonbacterial thrombotic endocarditis

88. Cytosolic Cytochrome C plays an important function in
   A) Apoptosis  B) Cell necrosis
   C) Electron transport chain  D) Cell division

89. Red infarct is seen in
   A) Heart  B) Lung  C) Kidney  D) Spleen

90. Negri bodies are pathognomonic of
   A) Schwannoma  B) Nephroblastoma
   C) Rhinoscleroma  D) Rabies

91. The first recombinant vaccine cloned in yeast is
   A) Hepatitis B vaccine  B) Measles vaccine
   C) Rubella vaccine  D) Typhoid vaccine

92. Which of the following bacteria can cause swimming pool granuloma?
   A) Mycobacterium fortuitum  B) Mycobacterium marinum
   C) Mycobacterium ulcerans  D) Mycobacterium avium

93. Which of the following immunoglobulin has special role in defence against helminthic infections?
   A) IgE  B) IgD  C) IgG  D) IgM

94. Which of the following streptococci cause neonatal meningitis?
   A) S. agalactiae  B) S. pyogenes  C) S. bovis  D) S. mutans

95. The special stain used to identify C. diphtheriae in a throat swab is
   A) Albert’s stain  B) Giemsa stain
   C) Gram’s stain  D) India Ink

96. The test done to check whether pasteurisation has been performed properly is
   A) Methylene blue reduction test  B) Viable count
   C) Phosphatase test  D) Turbidity test
97. Which serogroup of Leptospira interrogans is commonly responsible for causing Weil’s disease?
   A) Icterohaemorrhagiae   B) Hebdomadis
   C) Australis             D) Canicola

98. All the following statements are true with respect to Bacterial vaginosis **EXCEPT**
   A) Polymicrobial infection   B) Thick white discharge
   C) Presence of clue cells    D) Vaginal pH more than 4.5

99. In India the predominant species of Shigella is
   A) S. dysenteriae  B) S. flexneri
   C) S. boydii        D) S. sonnei

100. The most sensitive and rapid serological test for diagnosis of cryptococcal meningitis is
    A) Culture on SDA  B) Culture on Bird Seed Agar
    C) India Ink       D) Latex Agglutination

101. Lysis of red cells in autoimmune anemias and haemolytic disease of the newborn are examples of
    A) Type I hypersensitivity   B) Type II hypersensitivity
    C) Type III hypersensitivity D) Type IV hypersensitivity

102. Q Fever is caused by
    A) Rickettsia prowazekii  B) Ehrlichia sennetsu
    C) Coxiella burnetii      D) Orientia tsutsugamushi

103. Hemorrhagic colitis and hemorrhagic uremic syndrome is caused by which type
    of E.coli?
    A) Verotoxigenic   B) Enterotoxigenic
    C) Enteroinvasive  D) Enteropathogenic

104. In syphilis, the test performed to monitor response to treatment is
    A) VDRL              B) TPI
    C) TPHA             D) FTA-ABS

105. Dimorphic fungi grow as yeasts at
    A) 25°C               B) 37°C
    C) 42°C              D) Room Temperature

106. The blotting technique used for the analysis of RNA is called:
    A) Southern blotting  B) Northern blotting
    C) Western blotting  D) Genetic engineering
107. The vector for Chaga’s disease is
   A) Tsetse fly   B) Reduviid bug
   C) Sandfly     D) Anopheles mosquito

108. Castaneda method of blood culture is usually used for diagnosis of :
   A) Lobar pneumonia   B) Toxic shock syndrome
   C) Relapsing fever   D) Brucellosis

109. Actinomyces israelii has following feature
   A) Exogenous infection   B) Thick, branching filaments
   C) Anaerobic            D) Black granules

110. Casoni’s skin test for E. granulosis is an example of
   A) Delayed hypersensitivity B) Immediate hypersensitivity
   C) Serum sickness          D) Type II hypersensitivity

111. A person with head injury remained unconscious for 3 days in a hospital, then
     being completely cured after 10 days, he was discharged. This injury will constitute
     A) Simple injury          B) Dangerous injury
     C) Grievous injury        D) Fatal injury

112. Stellate wound is produced with firearm in
     A) Contact shot          B) Close shot
     C) Range within 60 cm    D) Distant shot

113. Incised wounds with hesitation cuts indicates
     A) Homicide              B) Accident
     C) Fall from height      D) Suicide

114. Which of the following is FALSE regarding dying deposition ?
     A) Oath is not required 
     B) Recorded in presence of Magistrate
     C) Recorded with cross-examination
     D) Recorded in presence of lawyer of accused

115. If in dead body mature maggots are found, how much time has lapsed since death ?
     A) 24 – 48 hrs.  B) 8 – 24 hrs.  C) 3 – 4 days  D) 6 – 7 days

116. For diatom test, the best site for taking sample is
     A) Lungs             B) Muscle
     C) Brain            D) Bone marrow of femur
117. An order for Exhumation can be given by
   A) Doctor  B) Police Commissioner  
   C) Magistrate D) Lawyer

118. Because of negligence, if the patient survives and suffers from the effect of alleged 
grievous hurt sustained during the treatment then the Doctor can be framed under 
   A) 304 A IPC   B) 304 IPC
   C) 326 IPC   D) 338 IPC

119. The witness is questioned by the lawyer of opposite party and leading questions 
are allowed in 
   A) Examination-in-Chief   B) Cross examination
   C) Re-examination D) Court questions

120. A dead body was found lying in a courtyard. Its rectal temperature was 28°C. 
Calculate the number of hours for which the body is lying there. 
   A) About 1 hour   B) About 4 hours
   C) About 6 hours D) About 8 hours

121. Which of the following is elevated in hypothalamic tissue during fever ? 
   A) Estrogen   B) Prostaglandin E₂
   C) Prostaglandin E₁ D) Gonadotropin

122. Which of the following condition is diagnosed by Bronchodilator reversibility 
test ? 
   A) Chronic Bronchitis   B) Bronchial asthma
   C) Emphysema D) Interstitial lung disease

123. Which of the following condition has greater risk of sudden death ? 
   A) Dilated cardiomyopathy   B) Hypertrophic cardiomyopathy
   C) Aortic incompetence D) Restrictive cardiomyopathy

124. What is the risk of an affected individual transmitting an autosomal dominant 
disease to his/her offspring ? 
   A) 50%   B) 100% C) 25% D) 60%

125. Following is the simple and quick invasive test to detect Helicobactor Pylori infection ? 
   A) Biopsy Urease test   B) Gastric juice pH
   C) Endoscopic biopsy D) Barium study

126. Subdural empyema is a complication of all the following conditions EXCEPT 
   A) Frontal Sinusitis   B) Skull vault osteomyelitis
   C) Middle ear disease D) Boil over face
127. Coarctation of aorta is most commonly associated with
   A) ASD  B) PDA
   C) Bicuspid aortic valve  D) VSD

128. Drug of choice for mycoplasma pneumoniae is
   A) Cotrimoxazole  B) Penicillin
   C) Tetracyclines  D) Amphotericin B

129. Part of spine, involved in Rheumatoid arthritis is
   A) Sacral  B) Lumbar  C) Thoracic  D) Cervical

130. A Normal-anion-gap metabolic acidosis occurs in patients with
   A) Diabetic keto-acidosis  B) Methyl alcohol poisoning
   C) Diarrhoea  D) Acute kidney injury

131. Best test for assessment of Iron store is
   A) Hemoglobin  B) Serum Iron  C) Ferritin  D) Transferrin

132. Test for reversible cardiac ischaemia is
   A) Resting Echocardiography  B) Angiography
   C) MVGA  D) Thallium scan

133. Dissociate sensory loss is seen with
   A) Syringomyelia  B) Spinal Metastasis
   C) Spinal Neurofibroma  D) Tabes dorsalis

134. Safer drug in a patient of Diabetes with renal impairment is
   A) Metformin  B) Pioglitazone
   C) Acarbose  D) Glimeperide

135. Wilson’s disease is caused by defect in
   A) ATP 7A mutation  B) ATP 7B mutation
   C) Ceruloplasmin  D) ATP 7C mutations

136. Posthepatic Portal Hypertension is caused by
   A) Portal vein thrombosis  B) Banti Syndrome
   C) Budd-Chiari Syndrome  D) Congenital hepatic fibrosis
137. Which of the following effects is NOT SEEN in primary hyperaldosteronism (Conn’s syndrome) ?
   A) Hypertension  
   B) Metabolic Alkalosis  
   C) Hyperkalaemia  
   D) Expansion of Extracellular and Plasma volume

138. In acute myocardial infarction following are used EXCEPT
   A) Platelet Inhibitors  
   B) Fibrinolytics  
   C) Antithrombin  
   D) Plasminogen activator Inhibitors

139. Most specific autoantibodies found in Systemic Lupus Erythematosus are
   A) Anti-RO  
   B) Anti-SM  
   C) Anti-RNP  
   D) Anti-DSDNA

140. Hepatitis E virus belongs to
   A) Hepadna virus group  
   B) Flavivirus group  
   C) Calici virus group  
   D) Enterovirus group

141. 35 Yr. chronic alcoholic patient presented with severe epigastric pain radiating to back, without guarding and rebound tenderness with CRP levels > 350 mg/L, likely diagnosis will be
   A) Perforated peptic ulcer  
   B) Acute cholecystitis  
   C) Acute pancreatitis  
   D) Acute myocardial infarction

142. The Monoclonal antibody directed against CD20, used in treatment of Rheumatoid arthritis is
   A) Cetuximab  
   B) Panitumumab  
   C) Rituximab  
   D) Tocilizumab

143. 20 Year male presenting with bilateral acute onset ankle and knee arthritis, abdominal pain and palpable purpura over both lower legs, a likely diagnosis is
   A) TTP  
   B) ITP  
   C) Henoch-Schönlein purpura  
   D) Subacute Bacterial endocarditis

144. Most common site for hypertensive intracerebral hemorrhage is
   A) Frontal lobe  
   B) Temporal lobe  
   C) Occipital lobe  
   D) Putamen

145. A 15 Year boy presented with day dreaming and decline in school performance. The likely possibility is
   A) Atonic seizure  
   B) Myoclonic seizure  
   C) Typical absence seizure  
   D) Atypical absence seizure
146. A CSF-serum glucose ratio of < 0.4 is highly suggestive of
   A) Bacterial Meningitis  B) Viral Meningitis
   C) Carcinomatous Meningitis  D) None of the above

147. Patient presenting with acute onset blindness with preserved pupillary light reaction
   will be seen in
   A) Dejerine Roussy Syndrome  B) Anton’s syndrome
   C) Balint’s syndrome  D) Palinopsia

148. The parameter which is NOT SEEN in Waldenstrom’s macroglobulinemia is
   A) M component in serum  B) Hyperviscosity state
   C) Hypercalcaemia  D) Positive Coomb’s test

149. Curative treatment for Chronic Myeloid Leukemia is
   A) Interferon  B) Autologus HSCT
   C) Splenectomy  D) Imatinib

150. The gold standard Lab test for diagnosis of PNH (Paroxysmal Nocturnal
   Hemoglobinuria) is
   A) Ham test  B) Haptoglobin
   C) Flow cytometry  D) Sucrose Lysis test

151. Throughout the country every year anti malaria month is observed during the
   month of
   A) July  B) January  C) June  D) December

152. The disease which is characterized by three D’s – diarrhoea, dermatitis and
dementia is due to deficiency of
   A) Vitamin A  B) Niacin  C) Folate  D) Vitamin C

153. In one of the method of health communication, 4 to 8 persons who are qualified
   to talk about the topic sit and discuss a given problem/topic in front of a large
   group or audience, this method is called as
   A) Symposium  B) Panel discussion
   C) Workshop  D) Seminar

154. Which of the following is an example of primary prevention?
   A) Measles immunization
   B) Cervical cytology screening
   C) Smoking cessation after a heart attack
   D) Self examination of breast for lumps
155. What is the minimum recommended level of residual chlorine at the end of one hour contact period?
   A) 0.1 mg / lit.   B) 0.5 mg / lit.   C) 1 mg / lit.   D) 5 mg / lit.

156. Maternal death is defined as, when mother dies during pregnancy or at the time of delivery or after delivery upto
   A) 4 weeks   B) 6 weeks   C) 8 weeks   D) 10 weeks

157. The Framingham Heart Study is an example of which type of epidemiologic study?
   A) Descriptive   B) Case-control   C) Cohort   D) Experimental

158. In Integrated Disease Surveillance Project in India, which of the following type of diagnosis is done by PHC Medical Officer?
   A) Syndromic   B) Presumptive   C) Confirmed   D) Laboratory

159. ‘Average number of girls that would be born to a woman if she experiences the current fertility pattern throughout her reproductive span assuming no mortality’ is known as
   A) General Fertility Rate   B) Total Fertility Rate   C) Gross Reproduction Rate   D) Net Reproduction Rate

160. For the prevention of human rabies, immediate flushing and washing the wound(s) in animal bite cases, with plenty of soap and water, under running tap should be carried out for how much time?
   A) 2 minutes   B) 1 minute   C) 15 minutes   D) 5 minutes

161. Which of the following is the treatment option (as per Schedule I) for waste collected in yellow bag?
   A) Incineration   B) Chemical treatment   C) Autoclaving   D) Microwaving

162. Which of the following indicators gives the approximate magnitude of completed family size?
   A) Total fertility rate   B) Age specific fertility rate   C) General fertility rate   D) Pregnancy rate

163. What is DASH?
   A) Dietary approaches to stop hypertension
   B) Domestic approach to safeguard hepatitis
   C) Dietary approaches to stop hyperlipidaemia
   D) Domestic approaches to stop hypertension
164. Which medicine claims to be the world's first organized body of medical knowledge?  
A) Indian  B) Chinese  C) Egyptian  D) Mesopotamian

165. Which of the following international health agencies promoted a GOBI campaign?  
A) USAID  B) UNICEF  C) UNDP  D) UNFPA

166. A person is labelled blind for examined eye when the visual acuity in that eye is less than or equivalent to  
A) $\frac{6}{18}$  B) $\frac{6}{60}$  C) $\frac{3}{60}$  D) $\frac{1}{60}$

167. Which among the following cooking oils has the highest amount of essential fatty acids?  
A) Groundnut oil  B) Coconut oil  
C) Sunflower oil  D) Safflower oil

168. Mortality rates in two different populations can be validly compared using  
A) Mean age at death  B) Proportion of the population above 65  
C) Standardized mortality ratios  D) Number of deaths in each age group

169. Which is the cutoff level of Waist-Hip Ratio in women indicating abdominal fat accumulation?  
A) 0.75  B) 0.85  C) 0.95  D) 1.05

170. Which of the following serotypes of Polio virus is most commonly associated with vaccine associated paralytic poliomyelitis?  
A) Serotype 1  B) Serotype 2  
C) Serotype 3  D) Serotype 1 and 2

171. The clinical goal of “cholesterol / HDL ratio” recommended for CHD prevention is  
A) < 3.5  B) < 2.5  C) < 10.5  D) < 1.5

172. The food standards in India are based on the standards of the  
A) Codex Alimentarius  B) PFA standards  
C) The AGMARK standards  D) Bureau of Indian standards

173. Ottawa Charter of health promotion incorporates all of the following key action areas EXCEPT  
A) Build healthy public policy  B) Strengthen community action for health  
C) Build social security system  D) Reorient health services
174. In ‘Milestones of Development’ ‘Listening’ refers to which type of development?
   A) Motor                     B) Language
   C) Adaptive                  D) Sociopersonal

175. Which of the following diseases is transmitted by mansonioides mosquitoes?
   A) Japanese Encephalitis     B) West Nile Fever
   C) Rift Valley Fever         D) Chikungunya Fever

176. One of the following is NOT a feature of Barrett’s oesophagus
   A) Classic Barrett’s (3 cm or more columnar epithelium)
   B) Short segment Barrett’s (less than 3 cm of columnar epithelium)
   C) Cardiac metaplasia (intestinal metaplasia on endoscopy)
   D) Intestinal metaplasia is not a risk factor for adenocarcinoma

177. What is a strong predictor of severe cord injury even in intubated patients?
   A) loss of limb power         B) priapism
   C) spinal tenderness         D) loss of peripheral nerve sensation

178. “Chain of lakes” is seen on ERCP in
   A) Chronic pancreatitis      B) Pancreatic divisum
   C) Ileocecal TB              D) Ca. head of pancreas

179. This is present when less than 300 mL of urine is excreted in a day by patient.
   A) Anuria                    B) Prerenal azotemia
   C) Oliguria                  D) Postrenal recovery phase after ESWL

180. This scan is particularly useful to prove that collecting system dilatation is caused by obstruction in renal system.
   A) 99m Tc-DTPA scan          B) MAG-3 scan
   C) DMSA scan                 D) Hippuran scan

181. Retrograde cystograph showing an exceedingly contracted (thimble) bladder in case of
   A) Hunner’s ulcer            B) Cystitis cystica
   C) Tuberculous cystitis     D) Encrusting cystitis

182. All the patients with proven rectal cancer require staging by
   A) Imaging of liver and chest, preferably by CT along with local petis imaging
   B) Monoclonal antibodies
   C) Colography
   D) PET scan
183. Which of the following statements about valves of Houston is true?
   A) The middle valve folds to right
   B) The upper valve corresponds to peritoneal reflection
   C) The valve contains are the layers of rectal wall
   D) Valves disappear after mobilization of rectum

184. Pea d’orange appearance of the mammary skin is due to
   A) Intra-epithelial cancer
   B) Sub-epidermal cancer
   C) Cutaneous lymphatic oedema
   D) Vascular embolisation

185. In a male after laparoscopic cholecystectomy, specimen is sent for histopathology which shows carcinoma gall bladder stage Ia. Appropriate management is
   A) Follow up
   B) Extended cholecystectomy
   C) Excision of all port sites
   D) Radiotherapy

186. Treatment of pneumoperitoneum, as a result of early and large colonoscopic perforation in a young patient is
   A) Temporary colostomy
   B) Closure + lavage
   C) Permanent colostomy
   D) Symptomatic

187. Ochsner-Sherren regime is used in management of
   A) appendicular abscess
   B) chronic appendicitis
   C) appendicular mass
   D) acute appendicitis

188. The commonest clinical pattern of basal cell carcinoma is
   A) nodular
   B) morphea form
   C) superficial
   D) keratotic

189. Pressure sores occur most commonly in
   A) Ischium
   B) Sacrum
   C) Heel
   D) Occiput

190. Stensen’s duct is the duct of
   A) parotid gland
   B) submandibular salivary gland
   C) sublingular salivary gland
   D) minor salivary gland

191. Pheochromocytoma is the disease of
   A) Pituitary gland
   B) Adrenal medulla
   C) Pancreas
   D) Adrenal cortex

192. Mallory – Weiss syndrome is
   A) tear in the middle of oesophagus
   B) longitudinal tear in the mucosa of GE junction
   C) tear in the prepyloric region of stomach
   D) tear in the 2nd part of duodenum
193. The lower $\frac{1}{3}$ of rectum is separated from the coccyx and lower 2 sacral vertebrae by
   A) Colles’ fascia      B) Waldeyer’s fascia
   C) Fascia lata        D) Denonvillier’s fascia

194. Gold standard for diagnosing Common Bile Duct Stones is
   A) Plain X ray abdomen  B) Oral cholecystography
   C) Ultrasonography      D) Endoscopic cholangiography

195. **FALSE** about Laurence classification of carcinoma stomach is
   A) 3 types, intestinal, diffuse and sporadic
   B) Intestinal, type forms a polyploid growth of ulcer
   C) Diffuse type infiltrates deeply in wall of stomach
   D) Small percentage may have mixed morphology

196. The name of following procedure which includes, the excision of the prolapsed rectum and associated sigmoid colon from below, & construction of a coloanal anastomosis is the
   A) Delorme’s operation    B) Altemeier’s procedure
   C) Thiersch operation     D) Golinghar procedure

197. Types of anal fistula includes intersphincteric, trans-sphincteric, suprasphincteric extrasphincteric primary tracks is called as
   A) Park’s classification  B) Golinghar classification
   C) Goodsall’s rule       D) Northen’s classification

198. Wickham’s striae are seen in
   A) Lichen planus          B) Lichen aureus
   C) Lichen nitidus        D) Lichen sclerosis-et atrophicus

199. Nerve biopsy in leprosy is usually taken from
   A) Ulnar                  B) Median
   C) Lateral popliteal     D) Sural

200. All of the following are stages of hair **EXCEPT**
   A) Catagen         B) Telogen       C) Anagen         D) Metagen

201. The organism playing pathogenic role in seborrheic dermatitis is
   A) Pityrosporum      B) Sarcoptes
   C) Corynebacterium   D) Trichophyton

202. Pemphigus neonatorum is a variety of
   A) Bullous impetigo   B) Epidermolysis Bullosa
   C) Congenital syphilis D) Pemphigus
203. The causative organism of erythrasma is
   A) Corynebacterium  B) Staphylococcus
   C) Streptococcus  D) Pseudomonas

204. The newer drugs which can be used for the treatment of leprosy consists of the following drugs, EXCEPT
   A) Ofloxacin  B) Minocycline
   C) Azathioprine  D) Clarithromycin

205. The Onodi cell refers to
   A) Sphenoid sinus  B) Posterior group of ethmoid cells
   C) Frontal sinus  D) Anterior group of ethmoid cells

206. Acoustic neuroma commonly arises from
   A) Superior vestibular nerve  B) Inferior vestibular nerve
   C) Cochlear nerve  D) Facial nerve

207. Which of the following is NOT the site of paragangliomas?
   A) Carotid bifurcation  B) Geniculate ganglion
   C) Jugular foramen  D) Promontory of middle ear

208. In unilateral vocal cord paralysis treatment is
   A) Isshiki Type I thyroplasty  B) Isshiki Type II thyroplasty
   C) Woodmann operation  D) Laser arytenoidectomy

209. Which of the following drugs is linked with rhinitis medicamentosa?
   A) Intranasal steroid spray  B) Ipratropium bromide
   C) Xylometazoline  D) Cocaine

210. Pre-epiglottic space is also called as
   A) Reinke’s space  B) Sinus of larynx
   C) Rima glottitis  D) Space of Boyer

211. In modified radical neck dissection Type I, the structure which is preserved is
   A) Sternocleidomastoid muscle  B) Internal Jugular vein
   C) Spinal Accessory nerve  D) Level I-IV Lymph nodes

212. Commonest cause of “Wrist Drop” is
   A) Intramuscular injection  B) Fracture Humerus
   C) Dislocation of elbow  D) Dislocation of shoulder

213. Occult fracture of neck femur is best diagnosed by
   A) C.T. Scan  B) Bone scan
   C) MRI  D) None of the above
214. “McMurray’s Test” on knee is done to know integrity of
   A) Anterior cruciate ligament
   B) Posterior cruciate ligament
   C) Meniscus
   D) Medial collateral ligament

215. Diaphyseal aclasis is aetiologically
   A) Congenital
   B) Developmental
   C) Metabolic
   D) Inflammatory

216. The most common complication after supracondylar fracture humerus is
   A) Cubitus varus
   B) Cubitus valgus
   C) Median nerve injury
   D) Ulnar nerve injury

217. Brodie’s abscess is a terminology for
   A) Subungual infection
   B) Chronic osteomyelitis
   C) Web space infection
   D) Infected hematoma

218. The muscle affected in congenital torticollis is
   A) Trapezius
   B) Rhomboideus Major
   C) Rhomboideus Minor
   D) Sternocleidomastoid

219. Chauffeur’s fracture involves the
   A) Radial head
   B) Radial styloid
   C) Ulnar styloid
   D) Base of I Metacarpal

220. Least helpful for the diagnosis of spondylolisthesis is
   A) Lateral X-ray of spine
   B) AP X-ray of spine
   C) MRI
   D) CT

221. Mallet finger is due to rupture of
   A) Central extensor slip of finger
   B) Distal end of index extensor
   C) Distal end of flexor digitorum profundes
   D) None of above

222. Nephrotic range proteinuria is defined as protein excretion of more than
   A) 10 mg/m²/hr
   B) 30 mg/m²/hr
   C) 20 mg/m²/hr
   D) 40 mg/m²/hr

223. Premature fusion of coronal, sphenofrontal and frontoethmoidal sutures is seen in
   A) Turricephaly
   B) Dolicocephaly
   C) Plagiocephaly
   D) Trigoncephaly

224. If HIV infected mother has received only AZT during antenatal period, the
    antiretroviral drug indicated for breastfeeding infant is
   A) Nevirapine
   B) AZT
   C) 3TC
   D) d4T
225. In boys which is the first visible sign of puberty?
   A) Testicular enlargement  B) Penile growth
   C) Breast hypertrophy  D) Dark scrotum

226. Children with Thalassemia and Iron overload are at an increased risk for infection with
   A) Yersinia Enterocolitica  B) Campylobacter jejuni
   C) Escherichia coli  D) Vibrio cholerae

227. Zinc deficiency leads to all EXCEPT
   A) Delayed Sexual Maturation  B) Impaired Immune function
   C) Skeletal Abnormalities  D) Excessive Appetite

228. The total osmolality of low -osmolality WHO ORS is
   A) 200 mOsm/liter  B) 245 mOsm/liter
   C) 305 mOsm/liter  D) 311 mOsm/liter

229. Central precocious puberty in a girl is defined as breast development before the age of
   A) 6 years  B) 8 years  C) 12 years  D) 10 years

230. Normal Apgar Score with Acidosis in a neonate is seen in
   A) Spinal cord trauma  B) Choanal atresia
   C) Diaphragmatic hernia  D) High Fetal Catecholamine levels

231. In development of language, a child is able to tell stories by
   A) 1 year  B) 2 years  C) 3 years  D) 4 years

232. All are features of Autoimmune Addison Disease EXCEPT
   A) Hypoglycemia  B) Ketosis
   C) Hyponatremia  D) Hypokalemia

233. True about Asperger’s syndrome is
   A) Cognitively delayed  B) Normal social interaction
   C) Language skills relatively intact  D) Normal occupational functioning

234. Angiofollicular lymph node hyperplasia is
   A) Castleman disease  B) Rosai-Dorfman disease
   C) Kikuchi-Fujimoto disease  D) Refsum’s disease

235. The most common cause of stridor in infant and children is
   A) Congenital subglottic stenosis  B) Laryngomalacia
   C) Vocal Cord Paralysis  D) Foreign body in airway
236. Monkey facies and Baggy pants refers to
   A) Peculiar facies of Monkey pox infection
   B) Peculiar dress of African tribe
   C) Look in Marasmus because of loss of fat
   D) Look in monkey bite

237. Monochorionic-Monoamniotic twin occurs if division occurs
   A) < 24 hrs  B) 1-4 days  C) 4-8 days  D) > 8 days

238. All of the following are contraindicated during pregnancy EXCEPT
   A) Measles Vaccine  B) Mumps Vaccine
   C) HPV Vaccine  D) Rabies Vaccine

239. In pregnancy, secretion of colostrum starts at
   A) 12 weeks  B) 24 weeks  C) 30 weeks  D) 36 weeks

240. The root value of Pudendal nerve is
   A) L₅S₁S₂  B) S₁S₂S₃  C) S₂S₃S₄  D) S₃S₄S₅

241. Only one of the following is NOT a feature of cervical changes near term
   A) Increase in Hyaluronic Acid  B) Increase in Dermatan Sulphate
   C) Decrease in Dermatan Sulphate  D) Breakdown of Collagen Fibres

242. The elemental iron per 325 mg of ferrous sulphate is
   A) 37 – 40 mg  B) 60 – 65 mg
   C) 80 – 100 mg  D) 110 – 115 mg

243. Variable decelerations of foetal heart rate are suggestive of
   A) Cord Compression  B) Head Compression
   C) Fetoplacental Insufficiency  D) None of these

244. Recommended dose of folic acid during pregnancy is
   A) 200 mg/day  B) 300 mg/day  C) 400 mg/day  D) 500 mg/day

245. In the partogram, the credit of the concept of Alert line and Action line goes to
   A) John Studd  B) John Bonnar
   C) Philpott  D) World Health Organization

246. Placenta is formed by
   A) Decidua basalis
   B) Chorion frondosum and decidua basalis
   C) Decidua capsularis
   D) Decidua parietalis
247. Two substances are needed for a developing fetus to grow male genitalia
   A) Wolffian factor and Mullerian inhibitory factor
   B) Testosterone and Mullerian inhibitory factor
   C) Wolffian factor and testosterone
   D) Mullerian factor and testosterone

248. Which is natural (living) ligature of uterus ?
   A) Endometrium  B) Myometrium
   C) Perimetrium   D) Internal OS

249. MTP act DOES NOT allow termination of pregnancy beyond
   A) 12 weeks   B) 16 weeks   C) 28 weeks   D) 20 weeks

250. Which drug should NOT be given before delivery of baby ?
   A) Oxytocin      B) Methylergometrin
   C) PGE₂         D) PGE₁

251. All are complications of fibroid in Pregnancy EXCEPT
   A) Red degeneration  B) Obstructed labour
   C) PPH            D) Placenta Previa

252. Billing’s method of contraception refers to
   A) Monitoring basal body temperature
   B) Cervical mucus method
   C) Rhythm method
   D) Coitus interruptus method

253. Mittelsehmerz’s pain is sign of
   A) Implantation  B) Ovulation  C) Fertilization  D) Abortion

254. One of the following statements is TRUE regarding Ovarian cancer
   A) Can be diagnosed in an early stage
   B) Germ cell tumors are the commonest type
   C) Menstrual disturbance is the most common symptom
   D) Meig’s syndrome consists of ascites, hydrothorax and malignant ovarian tumor

255. Complete failure of Mullerian duct fusion will result in
   A) Uterus Didelphys   B) Arcuate Uterus
   C) Subseptate uterus  D) Bicornuate uterus

256. The ovarian cancer specific for ‘Schiller Duval Bodies’ is
   A) Endodermal Sinus Tumor  B) Granulosa Cell Tumor
   C) Immature Teratoma      D) Gynandroblastoma
257. Schatskis ring is demonstrated by
   A) Barium meal  B) Barium enema
   C) IVP  D) Barium Swallow

258. Tissue Harmonic imaging involves use of
   A) Radioisotope  B) Sound waves
   C) Intravenous contrast  D) X-rays

259. On CT scan, extradural hemorrhage is
   A) Biconvex in shape  B) Concavo-convex in shape
   C) Shows extension within sulci  D) Cannot cross midline

260. The most accurate diagnostic method for detecting intracranial haemorrhage is
   A) Digital Subtraction Angiography (DSA)
   B) CT scan
   C) MRI
   D) Trans Cranial Doppler

261. All are the characteristics of raised ICT on a plain radio-graph EXCEPT
   A) Sellar erosion  B) Suture diastasis
   C) Balloning of sella  D) Increased convolutional markings

262. Radiographic latent period for acute osteomyelitis in extremities and spine respectively is
   A) 8 to 10 days and 21 days  B) 21 days and 21 days
   C) 10 days and 10 days  D) 21 days and 8-10 days

263. Which one of the following is NOT a contraindication for performing the procedure of Hysterosalpingography (HSG) ?
   A) Abnormal uterine bleeding
   B) Pregnancy
   C) Sensitivity to contrast medium
   D) Pelvic infection including vaginitis and cervicitis

264. Which is the earliest Radiological sign of bone infection ?
   A) Destructive lytic lesion  B) Presence of periosteal reaction
   C) Soft-tissue edema  D) Appearance of sequestra

265. The half life of Cesium is _______________
   A) 5.27 yrs.  B) 30.07 yrs.  C) 74.2 days  D) 1602 yrs.

266. Which of the following monoclonal antibody can be used with concurrent radiotherapy in advanced head and neck cancer ?
   A) Trastuzumab  B) Bevacizumab
   C) Cetuximab  D) Rituximab
267. Rhabdomyosarcoma is treated by
   A) Chemotherapy  B) Radiation
   C) Surgery       D) All of the above

268. As per International Commission of Radiation Units and measurements Report
   No. 38-High dose Brachytherapy is
   A) 0.4 to 2 Gy/hr.  B) 12 Gy/hr.
   C) 2 – 12 Gy/hr.   D) 0.01 to 0.3 Gy/hr.

269. In an ideal solution, osmotic pressure is inversely related to
   A) number of particles  B) gas constant
   C) volume              D) absolute temperature

270. Which of the following electrophysiological events is correctly paired with the
     change in ionic currents causing the event ?
   A) Fast inhibitory post synaptic potentials and closing of Cl⁻ channels
   B) Fast excitatory post synaptic potentials and increase in Ca²⁺ conductance
   C) End plate potential and an increase in Na⁺ conductance
   D) Presynaptic inhibition and closure of voltage gated channels

271. Factors which tends to move fluid from capillaries to tissue spaces includes all
     EXCEPT
   A) Capillary pressure
   B) Interstitial fluid colloid osmotic pressure
   C) Plasma colloid osmotic pressure
   D) Negative interstitial pressure

272. At normal body temperature, 37°C, a concentration of 1 osmole per liter will cause
     osmotic pressure of
   A) 10,000 mm Hg  B) 15,000 mm Hg
   C) 19,300 mm Hg   D) 25,000 mm Hg

273. The interstitial component of body water accounts for about the following
     percentage of body weight
   A) 5            B) 15            C) 25            D) 75

274. Lasik is the refractive surgery in which the laser used is
   A) Yag    B) Diode  C) Excimer    D) None

275. Kayser-Fleischer rings are seen in
   A) Wilson disease       B) Parkinson disease
   C) Alzheimer disease    D) Multiple sclerosis

276. Berlin odema is caused by
   A) Chronic posterior uveitis   B) Blunt trauma to the eye
   C) HIV retinopathy            D) Diabetic retinopathy
277. The specular microscope is used to see
   A) Corneal endothelium       B) Intra ocular pressure
   C) Retina                    D) Corneal thickness

278. Zonular cataract is a type of
   A) Congenital cataract       B) Developmental cataract
   C) Complicated cataract      D) Secondary cataract

279. Snow banking is a typical feature seen in
   A) Coats disease             B) Diabetic retinopathy
   C) Eales disease            D) Intermediate uveitis

280. Haredolum internum is suppurative inflammation of
   A) Gland of Zeis             B) Gland of Moll
   C) Meibomian gland          D) Accessory lacrimal glands

281. Retina is embryologically derived from
   A) Mesoderm                  B) Surface ectoderm
   C) Neural ectoderm          D) Endoderm

282. Foster Fuch’s spots are seen in
   A) Hypermetropia             B) Anisometropia
   C) Myopia                   D) Anisokonia

283. Surgery of choice done in chronic acquired dacryocystitis
   A) Dacryocystectomy          B) Conjunctivo-cystorhinostomy
   C) Dacryocystorhinostomy    D) None

284. The most important complication of effectively ventilating a patient with positive
     pressure ventilation in bronchopleural fistula
   A) Bronchiectasis            B) Pulmonary cyst
   C) Tension pneumothorax      D) Pulmonary haemorrhage

285. To prevent aspiration under anesthesia, for how many hours at least patients are
     kept nil by mouth for solid food preoperatively ?
   A) 2 hrs – 4 hrs             B) 4 hrs – 6 hrs
   C) 6 hrs – 8 hrs             D) 8 hrs – 10 hrs

286. During adult cardiopulmonary resuscitation, all the following drugs can be
      administered through a tracheal tube EXCEPT
   A) atropine                  B) adrenaline
   C) vasopressin               D) amiodarone

287. This amide type of local anaesthetic is used to assess the possible presence of
     atypical choline esterase
   A) Dibucaine                 B) Bupivacaine
   C) Procaine                  D) Chloro – Procaine

288. To provide pain relief during first stage of labour which sensory level should be
     blocked ?
   A) T₈ to L₁                  B) T₉ to L₂
   C) T₁₀ to L₁                D) T₁₁ to L₂
289. Abnormal sensation perceived without an apparent stimulus is called as
   A) Hyperesthesia  B) Neuralgia  C) Paresthesia  D) Radiculopathy

290. Which neuro-muscular blocking drug release Histamine?
   A) Pancuronium  B) Rocuronium  C) Vecuronium  D) Atracurium

291. The Term ‘Dementia Precox’ was coined by
   A) Freud  B) Bleuler  C) Kraepelin  D) Schneider

292. Emotion is controlled by
   A) Limbic system  B) Frontal lobe  C) Temporal lobe  D) Occipital lobe

293. Treatment is NOT required in withdrawal of
   A) Cannabis  B) Alcohol  C) Amphetamine  D) LSD

294. ‘Idiot Savants’, who have prodigious rote memories or calculating abilities, are
   found in
   A) School Refusal  B) Oppositional defiant disorder  C) Severe mental retardation  D) Autistic disorder

295. Serum Lithium level should be checked earliest after how many days of constant
   dosing?
   A) 3  B) 5  C) 14  D) 20

296. Following is the vegetative disturbance in depression
   A) loss of interest  B) pseudo dementia  C) hopelessness  D) insomnia

297. The following are major components of Mental Status Examination EXCEPT
   A) Abstract Thinking  B) Test Judgement  C) Logical reasoning  D) Perceptual Disturbances

298. Ross classified five stages of
   A) Schizophrenia  B) Delusion  C) Death  D) None

299. The co-occurrence of how many psychiatric disorders in a single patient can be
   termed comorbidity?
   A) 2  B) > 2  C) ≥ 3  D) 3

300. Mini-Mental State Examination (MMSE) is a screening instrument/test for
   A) Depression  B) Dementia  C) Schizophrenia  D) Mania
SPACE FOR ROUGH WORK