

PGM-CET 2014
QUESTION BOOKLET

Question Booklet Version		
<table border="1" style="margin: auto;"><tr><td style="text-align: center;">4</td><td style="text-align: center;">4</td></tr></table> Forty Four (Write this number on your Answer Sheet)	4	4
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PGM - CET - 2014 Roll No.					
Answer Sheet No.					

Question Booklet Sr. No.
(Write this number on your Answer Sheet)

Day and Date : Sunday, 5th January 2014
Time: 10.00 a.m. to 1.30 p.m.

Duration: 3 Hours 30 Minutes
Total Marks : 300

This is to certify that, the entries of PGM-CET Roll No. and Answer Sheet No. have been correctly written and verified.

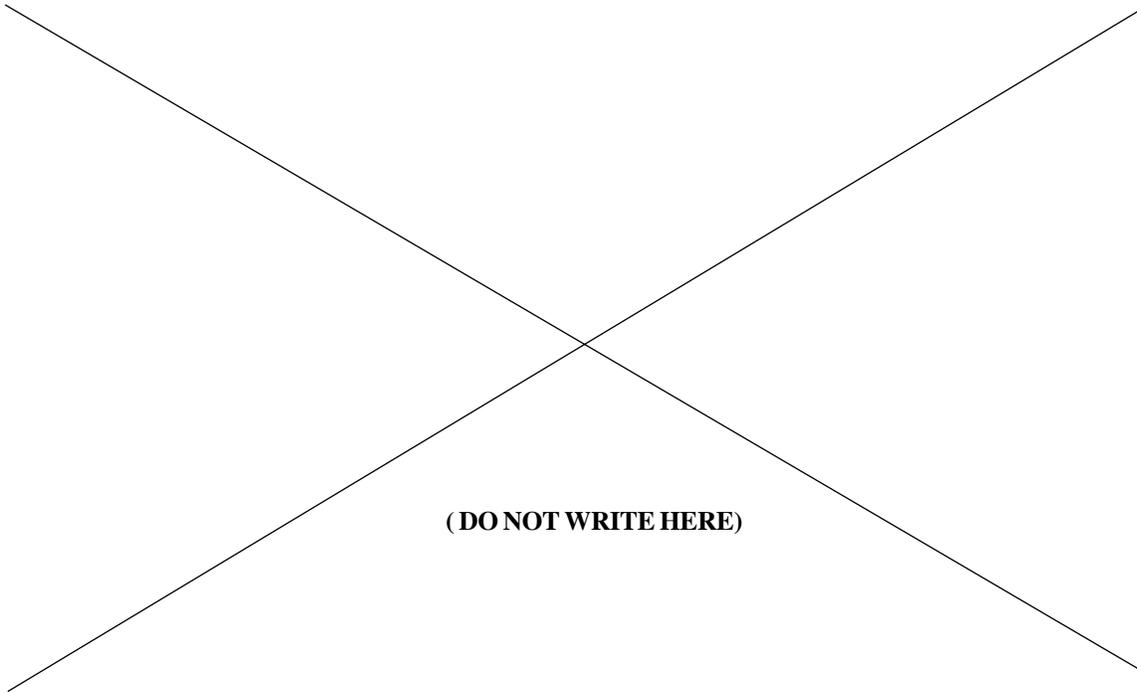
Candidate's Signature

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.



(DO NOT WRITE HERE)

SPACE FOR ROUGH WORK



1. Formation of Okasaki fragments occurs in
 - A) Transcription
 - B) Replication
 - C) Translation
 - D) Reverse transcription
2. Respiratory acidosis is characterized by primary
 - A) deficit of carbonic acid
 - B) excess of carbonic acid
 - C) deficit of bicarbonate
 - D) excess of bicarbonate
3. Which of the following enzymes produce a product used for synthesis of ATP by substrate level phosphorylation ?
 - A) Phosphofructokinase
 - B) Aldolase
 - C) Phosphoglycerate mutase
 - D) Enolase
4. The lipoprotein with the fastest electrophoretic mobility and the lowest TG content is
 - A) VLDL
 - B) HDL
 - C) LDL
 - D) Chylomicrons
5. UDP glucuronyl transferase deficiency results in
 - A) Gilbert's disease
 - B) Dubin-Johnson syndrome
 - C) Crigler-Najjar syndrome
 - D) Rotor syndrome
6. Admission to Nutrition Rehabilitation center for severe Acute Malnourished child between 6 months to 5 years is all EXCEPT
 - A) wt/ht < - 3 SD
 - B) MUAC < 11.5 cm
 - C) wt < 2 SD for age
 - D) Bilateral pedal edema
7. Which of the following is a class II anti-arrythmic drug ?
 - A) Propranolol
 - B) Digoxin
 - C) Amidarone
 - D) Lidocaine
8. Acute febrile illness with vasculitis having predilection for the coronary arteries is seen in
 - A) Kawasaki disease
 - B) Adenovirus infection
 - C) Diphtheria
 - D) Measles
9. Microangiopathic hemolytic anemia with thrombocytopenia and renal insufficiency is commonly seen in young children with
 - A) Sickle cell anemia
 - B) Hemolytic uremic syndrome
 - C) Malaria
 - D) S.L.E (systemic lupus erythematosus)
10. Cherry red skin is seen in which poisoning ?
 - A) Cyanide
 - B) Methhaemoglobineuria
 - C) Methanol
 - D) Carbon monoxide



11. If woman desires future fertility in case of early carcinoma of cervix (stage I) her best option is
 - A) Radiotherapy
 - B) Cone Biopsy
 - C) Cauterization
 - D) Radicle tracheolectomy with pelvic node dissection
12. Most common cause of supracellar enlargement with calcification in brain in children on C.T. scan is
 - A) Craniopharyngioma
 - B) Astrocytoma
 - C) Meningioma
 - D) Supracellar tuberculoma
13. Hyperdense basal ganglia and hypodensity of the white matter on CT scan is diagnostic of
 - A) Alexander's Disease
 - B) Krabbe's Disease
 - C) Canavan's Disease
 - D) Metachromatic leukodystrophy
14. Which of the following is a feature of malignant GIST of gastrointestinal tract ?
 - A) Lobulated contour
 - B) Striking absence of regional lymphadenopathy
 - C) Endophytic growth
 - D) Tumor homogeneity
15. Modality of choice for diagnosis of congenital hypertrophic pyloric stenosis is
 - A) Scintigraphy
 - B) MRI
 - C) CT Scan
 - D) Ultrasonography
16. Which of the following contributes to the development of the thoraco-abdominal diaphragm ?
 - A) Pleuropericardial membrane
 - B) Dorsal mesentery of oesophagus
 - C) Splanchnopleuric mesoderm
 - D) Intermediate mesoderm
17. Which of the following muscle is pierced while tapping of pleural fluid in mid-axillary line in 6th intercostal space ?
 - A) Pectoralis Major
 - B) Transverse thoracis
 - C) Serratus Anterior
 - D) External oblique
18. A stab wound to the arm severs the musculocutaneous nerve in a young girl resulting in
 - A) Loss of sensations on medial aspect of forearm
 - B) Weakness in supination of the forearm
 - C) Difficulty in extending the elbow
 - D) Paralysis of Teres major muscle



19. Incudo-stapedial joint is which type of synovial joint ?
A) Plain
B) Saddle
C) Ball and Socket
D) Condylar
20. Recurrent laryngeal nerve supplies following muscles EXCEPT
A) Posterior cricoarytenoid
B) Lateral cricoarytenoid
C) Cricothyroid
D) Oblique arytenoid
21. Mecasermin is indicated in
A) Active or suspected neoplasia
B) Intracranial hypertension
C) Impaired growth due to GH-deficiency
D) Enlarged tonsils due to lymphoid hypertrophy
22. Antiepileptic action of phenobarbitone may be counteracted by
A) Vit. B₁₂
B) Vit. C
C) Folic acid
D) Iron preparations
23. NSAIDS are commonly used as first line therapy in the pain of
A) Malignancy
B) Migraine
C) Neuropathy
D) Visceral pain except dysmenorrhea
24. Chemokine co-receptor 5 (CCR 5) inhibitor is
A) Enfuvirtide B) Maraviroc C) Raltegravir D) Atazanavir
25. Tiprolisant is
A) H₃ Receptor agonist
B) H₃ Receptor antagonist
C) Partial H₃ Receptor agonist
D) Inverse H₃ Receptor agonist
26. T₁ and T₂ images are features of one of diagnostic modality enumerated below
A) USG B) CT Scan C) PET CT D) MRI
27. Hysterosalpingography Procedure (HSG) should be performed
A) During ovulation period
B) Just after ovulation period
C) During the period of menstrual bleeding
D) In first half of menstrual cycle, following cessation of bleeding
28. Congenital diaphragmatic hernia through foramen of Bochdalek is situated
A) Anteriorly
B) Postero laterally
C) Diaphragmatic hiatus
D) Antero laterally
29. Absence of clavicle is a feature of
A) Cleido cranial dysplasia
B) Multiple epiphyseal dysplasia
C) Fibrous dysplasia
D) Cranio-metaphyseal dysplasia



51. Respiratory toxicity of oxygen therapy can result in all EXCEPT
- A) increased pulmonary compliance
 - B) ARDS like syndrome
 - C) pulmonary atelectasis
 - D) bronchopulmonary dysplasia in newborn
52. During airway management in an unconscious trauma patient with possible cervical injury, one of the following should be avoided
- A) jaw thrust maneuver
 - B) neck hyperextension
 - C) manual neck stabilisation
 - D) application of cervical collar
53. The local anaesthetic with highest cardiotoxicity is
- A) Lignocaine
 - B) Bupivacaine
 - C) Levo-bupivacaine
 - D) Procaine
54. Least pungent inhalational induction agent for children is
- A) Halothane
 - B) Sevoflurane
 - C) Isoflurane
 - D) Desflurane
55. An Aplastic crisis and sequestration crisis during Anaesthesia can occur in which one of the following disease ?
- A) Thalassemia
 - B) Sickle cell disease
 - C) Aplastic anaemia
 - D) Glucose 6 phosphate dehydrogenase deficiency
56. Which of the below is an example of affective learning ?
- A) Measuring pulse rate
 - B) Enumerating causes of obesity
 - C) Motivating a person for blood donation
 - D) Arriving at differential diagnosis
57. Which of the oils given below is the best source of linoleic acid ?
- A) Ground nut
 - B) Mustard
 - C) Palm
 - D) Coconut
58. In which phase of demographic cycle is India now ?
- A) High stationary
 - B) Early expanding
 - C) Late expanding
 - D) Low stationary
59. In patient with Malaria, if fever has periodicity of 72 hours, which one of the following is likely to be causative agent ?
- A) P. falciparum
 - B) P. vivax
 - C) P. ovale
 - D) P. malariae



60. In clinical trials one can take care of the effects of unknown confounders by
A) Matching cases and controls
B) Randomization of study subjects
C) Proper selection of cases and controls
D) Properly measuring exposure and outcome
61. The blood index which reflects iron deficiency more accurately is
A) MCV B) MCH C) MCHC D) PCV
62. Councilman bodies are seen in
A) Wilson disease B) Acute viral hepatitis
C) Alcoholic hepatitis D) Autoimmune hepatitis
63. Krukenberg tumour of ovary is due to carcinoma of _____
A) Stomach B) Lung
C) Central nervous system D) Thyroid
64. Formation of granulation tissue is due to
A) Thrombosed vessels B) Infiltration of cells
C) Budding of new capillaries D) Mucosal proliferation
65. The appearance of cobweb formation in CSF indicates _____
A) Pyogenic meningitis B) Viral meningitis
C) Tuberculous meningitis D) Fungal meningitis
66. Shoulder dystocia is common with
A) Preterm birth B) Placenta previa
C) Postdated pregnancy D) Polyhydramnios
67. Commonest cause of Maternal Mortality in India is
A) Eclampsia B) Sepsis
C) Obstructed labour D) Haemorrhage
68. The most common form of compound presentation during labour is
A) Head & foot B) Head & hand
C) Head & cord D) Breech & hand
69. The dose of Anti-D to be given after full term delivery in a non-immunised D-negative woman is
A) 100 μ gm B) 200 μ gm C) 300 μ gm D) 400 μ gm
70. In active management of 3rd stage of labour, Inj methylergometrin is given
A) After delivery of placenta
B) After delivery of baby
C) At the delivery of Anterior shoulder
D) After postpartum haemorrhage



71. The doctor can reveal the professional secrets without the consent of patient in following circumstances, EXCEPT
- A) Privileged communication B) Courts of Law
C) Newspaper D) Suspected crime to police
72. Blisters/vesicles are seen in all the following cases, EXCEPT
- A) Flame Burns B) Electric Burns
C) Brush Burns D) The margins of hanging mark
73. Priming Mixture in percussion cap of a shotgun cartridge contains
- A) Potassium Chlorate B) Potassium Nitrate
C) Potassium Carbonate D) Potassium Oxalate
74. Mc Naughten Rule has also been accepted in India as the Law of Criminal Responsibility and is included in Sec. _____
- A) 84 IPC B) 85 IPC C) 89 IPC D) 91 IPC
75. Following are the postmortem diagnostic signs of strangulation EXCEPT
- A) Ligature mark completely encircling neck
B) Ecchymosis about the edges of ligature mark
C) Dribbling saliva from angle of mouth
D) Fracture of thyroid cartilage
76. What is the clearance of a substance when its concentration in the plasma is 10 mg/dL, its concentration in the urine is 100 mg/dL, and urine flow is 2 mL/min ?
- A) 10 mL/min B) 12 mL/min C) 20 mL/min D) 25 mL/min
77. The dicrotic notch on the aortic pressure curve is caused by the closure of
- A) mitral valve B) tricuspid valve
C) aortic valve D) pulmonary valve
78. Which of the following pituitary hormones is an opioid peptide ?
- A) β MSH B) ACTH C) α MSH D) β endorphin
79. The neurotransmitter producing vagally mediated increase in Gastrin secretion is
- A) GRP B) Substance P C) GIP D) Guanylin
80. 1b type of nerve fibers carry afferent impulses from
- A) Muscle spindles B) Pacinian corpuscles
C) Golgi tendon organs D) Nociceptors
81. Carcinoma colon is NOT associated with
- A) Cowden's syndrome B) Puetzlegher's syndrome
C) Polland's syndrome D) Ruvalcaba-Myhre-Smith syndrome



93. Tranexamic acid is a
A) Antithrombotic
B) Antifibrinolytic
C) Fibrinolytic
D) Styptic
94. Digoxin acts by inhibiting
A) $\text{Na}^+ \text{K}^+$ ATPase
B) $\text{H}^+ \text{K}^+$ ATPase
C) $\text{NA}^+ - \text{K}^+ - 2\text{Cl}$ channel
D) $\text{Na}^+ - \text{H}^+$ ATPase
95. Therapeutic concentration of lithium in bipolar disorder is
A) 0.1 to 0.3 mEq/L
B) 0.3 to 0.6 mEq/L
C) 0.5 to 0.8 mEq/L
D) 0.8 to 1.2 mEq/L
96. Cyproheptadine has all of the following actions; EXCEPT
A) Antimuscarinic actions
B) Antihistaminic actions
C) Antiserotonergic actions
D) Antiadrenergic actions
97. Therapeutic use of Acetyl choline is NOT possible because it is
A) Highly protein bound
B) Rapidly degraded
C) Rapidly excreted
D) None of the above
98. Which one of the following antimalignancy drug is most nephrotoxic ?
A) Vincristine
B) Cyclophosphamide
C) Cisplatin
D) Methotrexate
99. Drug of choice in ulcerative colitis is
A) Sulfathiazole
B) Sulfasalazine
C) Sulfadoxin
D) Sulfacetamide
100. Proton Pump inhibitors are most effective when given
A) half hour before breakfast
B) with meals
C) after prolonged fasting
D) along with H_2 blockers
101. The drug considered as a risk factor for calciphylaxis is
A) calcium
B) diuretic
C) warfarin
D) heparin
102. Omalizumab is a blocking antibody that neutralises circulating
A) IgE
B) Leukotrienes
C) Cromones
D) TNF and antibodies
103. Which of the following factor is associated with better prognosis in adult onset tetanus ?
A) Incubation period < 7 days
B) Period of onset > 48 hours
C) Systolic BP > 140 mm of Hg
D) Heart rate > 140 bpm at admission



104. Following are potential complications of gene therapy EXCEPT
- A) Genotoxicity
 - B) Genome integration
 - C) Gene silencing
 - D) Immunotoxicity
105. All of the following can be complications of hemodialysis EXCEPT
- A) Hemorrhage
 - B) Hypotension
 - C) Muscle cramps
 - D) Anaphylactid reaction to dialyzer
106. Delusion is an abnormal variant of which of the following ?
- A) Perception
 - B) Thinking
 - C) Memory
 - D) Intelligence
107. In a child with ADHD, while treating with drugs, the first choice of medicine is usually
- A) Donepezil
 - B) Atmoxetine
 - C) Clozapine
 - D) Methylphenidate
108. The commonest psychiatric sequelae following traumatic brain injury is
- A) Psychotic disorder
 - B) Mood disorder
 - C) Anxiety disorder
 - D) Substance use disorder
109. All are categories of learning disorders as per DSM IV-TR classification EXCEPT
- A) Language Disorder
 - B) Mathematics Disorder
 - C) Reading Disorder
 - D) Disorder of Written Expression
110. Which of the following condition is called as 'Pseudo-dementia' ?
- A) Confabulations
 - B) Normal aging
 - C) Delirium
 - D) Depression
111. Periodic, deep, retroorbital, excruciating, nonfluctuant and explosive headache with ipsilateral lacrimation or rhinorrhoea is characteristic of
- A) cluster headache
 - B) migraine headache
 - C) hypnic headache
 - D) tension headache
112. The study of alteration in chromatin and histone proteins and methylation of DNA sequence that influence gene expression is called as
- A) proteomics
 - B) metagenomics
 - C) epigenomics
 - D) metabolomics
113. The circulating neutrophils are usually mature and not clonally derived in
- A) leucocytosis
 - B) neutropenia
 - C) leukemoid reactions
 - D) neutrophilia



148. Sperms develop the capability of motility in the
A) Seminiferous tubules B) Epididymis
C) Vas deferens D) Female genital tract
149. After a carbohydrate rich meal insulin secretion is stimulated by
A) Cholecystokinin B) VIP
C) GRP D) GLP-1
150. All of the following neurons in the cerebellar cortex are inhibitory EXCEPT
A) Purkinje cells B) Basket cells
C) Granule cells D) Golgi cells
151. Color coding of container for disposal of human anatomical waste is
A) Yellow B) Red
C) Blue D) Black
152. If a disease has three times more incidence in females as compared to males and same prevalence in both males and females, true statement will be
A) It is highly fatal in females B) More survival in females
C) Better prognosis in males D) Less fatal in males
153. Prophylaxis with vitamin 'C' is helpful in preventing
A) Fluorosis B) Neuro Lathyrism
C) Iodine deficiency D) Botulism
154. Which of the following is NOT a source of infection in plague ?
A) Case of bubonic plague B) Case of pneumonic plague
C) Infected rodents D) Infected fleas
155. The base of the Food Guide Pyramid is formed by
A) Cereals and pulses B) Fruits and vegetables
C) Milk and milk products D) Meat, poultry and fish
156. Commonest cause of First trimester abortion is
A) Monosomy B) Trisomy
C) Triploidy D) Aneuploidy
157. Bishop's score includes following EXCEPT
A) Effacement of cervix B) Contractions of uterus
C) Dilatation of cervix D) Station of head
158. Which of the following is the most dangerous cardiac lesion in pregnancy ?
A) Mitral stenosis B) Mitral regurgitation
C) Ventricular septal defect D) Eisenmenger's syndrome



159. Chromosomal complement of primary oocyte is
A) 23 Y B) 23 X C) 46 XX D) 46 XY
160. Asymmetrical fetal growth restriction is associated with
A) Chromosomal aberration B) Viral infection
C) Idiopathic D) Placental insufficiency
161. Eggs of all the following helminthic worms float in a saturated salt solution EXCEPT
A) Eggs of *Necator americanus* B) Eggs of *Enterobius vermicularis*
C) Eggs of *Hymenolepis nana* D) Eggs of *Taenia solium*
162. Unsheathed microfilaria are seen in
A) *Wuchereria bancrofti* B) *Brugia malayi*
C) *Loa loa* D) *Onchocerca volvulus*
163. Enterovirus associated with acute hemorrhagic conjunctivitis is
A) Serotype 68 B) Serotype 69
C) Serotype 70 D) Serotype 71
164. All of the following viruses are transmitted through genital tract EXCEPT
A) Herpes simplex virus B) Hepatitis virus
C) Papilloma virus D) Coronavirus
165. Lyme disease is caused by
A) *Borrelia recurrentis* B) *B. Duttonii*
C) *B. vincentii* D) *B. burgdorferi*
166. Hallucinations experienced outside the limits of one's sensory fields are
A) Functional hallucinations B) Extracampine hallucinations
C) Pseudo hallucination D) Reflex hallucinations
167. Following diagnostic test can be used in identifying person with alcohol related disorders EXCEPT
A) SGOT, SGPT B) Mean Corpuscular Volume (MCV)
C) Hemoglobin D) Gamma Glutamyl Transferase (GGT)
168. A drug addict presented to psychiatry OPD with complaints of lacrimation, abdominal cramps, rhinorrhoea, diarrhoea and insomnia. He is suffering from
A) Opioid withdrawal B) Opioid intoxication
C) Cannabis intoxication D) Amphetamine withdrawal



169. All of the following are true about Lithium (Li), EXCEPT
- A) Propranolol is effective in Li induced tremors
 - B) Li is drug of choice for treatment of mania in 1st trimester of pregnancy
 - C) Li has been effective in treatment of depression associated with Bipolar disorder
 - D) Most common adverse renal effect of Li is polyuria
170. Personality changes are commonly seen with lesion of which of the following ?
- A) Limbic system
 - B) Temporal lobe
 - C) Frontal lobe
 - D) Occipital lobe
171. Which of the following disease can NOT be treated by Gene Therapy ?
- A) Adenosine deaminase deficiency
 - B) Leukemia
 - C) Cystic Fibrosis
 - D) Thalassemia
172. The most important buffer system in the plasma is
- A) Protein buffer
 - B) Bicarbonate buffer
 - C) Phosphate buffer
 - D) Hemoglobin buffer
173. The vitamin required for carboxylation of pyruvate to form oxaloacetate is
- A) Thiamine
 - B) Biotin
 - C) Pyridoxine
 - D) Niacin
174. The metabolic pathway that occurs partly in mitochondria and partly in cytosol is
- A) TCA cycle
 - B) Glycolysis
 - C) Urea cycle
 - D) Oxidative phosphorylation
175. All of the following enzymes act as Antioxidant EXCEPT
- A) Superoxide dismutase
 - B) Lactate Dehydrogenase
 - C) Catalase
 - D) Glutathione peroxidase
176. Satellite papules are characteristic of following type of leprosy.
- A) Borderline Tuberculoid (BT)
 - B) Polar Tuberculoid (TT)
 - C) Borderline Lepromatous (BL)
 - D) Polar Lepromatous (LL)
177. Type of scale observed in Pityriasis rosea is
- A) mica like
 - B) powdery
 - C) silvery
 - D) collarette like
178. The clinical features of seborrhoeic dermatitis include all of the following EXCEPT
- A) Folliculitis
 - B) Vesiculobullous lesions
 - C) Erythroderma
 - D) Blepharitis



197. The loss of tension in vocal cord with diminished power and range of voice occurs in
A) Unilateral recurrent laryngeal nerve palsy
B) Bilateral recurrent laryngeal nerves paralysis
C) Ext. branch of superior laryngeal nerve palsy
D) Tracheomalacia
198. Melanocytes migrates from the neural crest to basal epidermis during
A) Neonatal life
B) Childhood
C) Embryogenesis
D) After birth
199. Mycetoma which occurs in foot is of two types of which the one is Actinomycetoma and second one is
A) Sudan mycetoma
B) Eumycetoma
C) Yemenmycetoma
D) Pseudomycetoma
200. In operation of pancreaticoduodenectomy for ca pancrease; one of the anastomons is known to leak more frequently
A) Choledochojejunostomy
B) Gastrojejunostomy
C) Pancreaticojejunostomy
D) None of the above
201. In absence of clinical evidence of thyroid disease, thyroid function tests showing low TSH, raised T_4 and normal or low T_3 indicates
A) subclinical thyrotoxicosis
B) subclinical hypothyroidism
C) sick euthyroidism
D) transient thyroiditis
202. Co-infection with which virus leads to change in antiretroviral therapy in people living with HIV ?
A) Cytomegalo virus
B) Varicella virus
C) Hepatitis B virus
D) JC virus
203. Drug of choice to treat H1N1 influenza is
A) Acyclovir
B) Cidofovir
C) Oseltamivir
D) Tenofovir
204. Isolated microscopic hematuria of glomerular origin is seen in
A) Acute glomerulo nephritis
B) Hereditary nephritis
C) Acute interstitial nephritis
D) Acute tubular necrosis
205. Gait disorder described as 'slipping clutch syndrome' occurs in
A) Cerebellar gait disorder
B) Sensory gait disorder
C) Parkinson gait disorder
D) Frontal gait disorder
206. Which of the following is a precancerous condition of the skin ?
A) Bowen disease
B) Seborrhoeic keratosis
C) Leprosy
D) Psoriasis



207. Which of the following malignancy is commonly found in AIDS patients ?
A) Kaposi's sarcoma B) Fibrosarcoma
C) Cavernous hemangioma D) Melanoma
208. Pheochromocytoma is a tumour of
A) Parathyroid B) Adrenal medulla
C) Adrenal cortex D) Pituitary
209. Which type of viral hepatitis is associated with high mortality in pregnant women ?
A) Hepatitis B virus B) Hepatitis E virus
C) Hepatitis D virus D) Hepatitis C virus
210. Skip lesions are characteristic of
A) Intestinal tuberculosis B) Enteric fever
C) Ulcerative colitis D) Crohn's disease
211. Which part of a neuron has the highest concentration of Na⁺ channels per square micrometer of cell membrane ?
A) dendrites B) cell body
C) initial segment of axon D) Node of Ranvier
212. Normal value of P₅₀ (The partial pressure of O₂, at which Hb, is 50% saturated with O₂) in healthy adults at sea level is at
A) 20 mm Hg B) 27 mm Hg C) 35 mm Hg D) 40 mm Hg
213. Ejection Fraction is a ratio of
A) Stroke volume to End-diastolic volume
B) Stroke volume to End-systolic volume
C) Stroke volume to Minute volume
D) End-diastolic volume to End-systolic volume
214. Which of the following is involved in colour vision ?
A) Geniculate layers 1-2 B) 'M' (magnocellular) pathway
C) Area V₈ of visual cortex D) Area V_{3A} of visual cortex
215. The major action of 1, 25-di-hydroxy chole-calciferol is
A) Lowering of blood calcium
B) Ca⁺⁺-deposition in bones
C) Increasing Ca⁺⁺ -absorption from intestinal lumen
D) Stimulating the gene responsible for PTH-synthesis
216. One of the following drug is NOT used for the treatment of osteoporosis
A) Alendronate B) Calcitonin
C) Dexamethasone D) Vitamin K



217. The test of choice for Giardiasis is
A) Stool Enzyme Immuno Assay (EIA)
B) Microscopy
C) Polymerase Chain Reaction (PCR)
D) Duodenal Aspiration
218. Hallmark of Acute Disseminated Encephalomyelitis(ADEM) is
A) Encephalopathy
B) Ataxia
C) Cranial Neuropathies
D) Visual loss
219. In large-for-date babies all viscera weigh more than normal EXCEPT
A) Kidney B) Heart C) Brain D) Liver
220. The Ig A anti TG 2 (TransGlutaminase) is a sensitive marker for diagnosis of
A) Celiac Disease B) Eosinophilic Gastroenteritis
C) Primary Immunodeficiency D) Crohn's Disease
221. Signs of thyroid deficiency are all EXCEPT
A) Bradykinesia B) Tachycardia
C) Hoarse voice D) Periorbital Puffiness
222. Parklands formula used for Burn's resuscitation is
A) 4 ml/kg/% TBSA B) 5 ml/kg/%TBSA
C) 6 ml/kg/%TBSA D) 8 ml/kg/% TBSA
223. Adeno-carcinoma of oesophagus develops in
A) Long standing achalasia B) Alcohol abuse
C) Corrosive stricture D) Barret's oesophagus
224. Painless gross hematuria occurs in
A) Renal cell carcinoma B) Polycystic kidney
C) Stricture urethra D) Wilm's tumour
225. The most common cause of small intestinal obstruction is
A) Intussusception B) Iatrogenic adhesions
C) Trauma D) Carcinoma
226. Under IMNCI programme in outpatient health facility all of the following are danger signs EXCEPT
A) Convulsions B) Difficult breathing
C) Vomiting D) Lethargy
227. Which one of the following is NOT a component of validity of a screening test ?
A) Sensitivity B) Specificity
C) Precision D) Predictive value



238. Following is true about oxytocin
- A) It is decapeptide
 - B) Synthesized in posterior lobe of pituitary gland
 - C) Alcohol stimulates its release
 - D) It has half life of 3-4 minutes
239. Regarding prenatal genetic diagnosis (PGD) all are correct EXCEPT
- A) Blastomere biopsy increases fetal anomaly
 - B) Linkage analysis is necessary when gene has not been sequenced
 - C) Polar body biopsy cannot assess paternal genotype
 - D) Fetal cells recovered from maternal blood can detect fetal chromosomal anomaly
240. All are features of infant born to diabetic mothers EXCEPT
- A) Obesity
 - B) Learning Disability
 - C) Ketotic hypoglycaemia
 - D) Future Diabetes Mellitus
241. Mikulicz cell and Russel bodies are characteristic of _____
- A) Rhinoscleroma
 - B) Rhinosporidiosis
 - C) Plasma cell disorder
 - D) Lethal midline granuloma
242. Flexion, Adduction, Internal Rotation deformity at hip is seen in
- A) Fracture neck of femur
 - B) Posterior dislocation of hip
 - C) Inter trochanteric fracture
 - D) Anterior dislocation of hip
243. Test to diagnose Anterior Cruciate Ligament (ACL) injury is
- A) Valgus test
 - B) Varus test
 - C) Lachman test
 - D) Posterior Drawer test
244. Acute Haematogenous osteomyelitis involves commonly following part of bone
- A) Metaphysis
 - B) Epiphysis
 - C) Diaphysis
 - D) Growth plate
245. Sacroiliac joint involvement is seen in
- A) Rheumatoid Arthritis
 - B) Ankylosing spondylitis
 - C) Reiter's syndrome
 - D) Psoriatic arthritis
246. Most important cause of travellers diarrhoea is
- A) Enterotoxigenic Escherichia coli
 - B) Enteroinvasive Esch. coli
 - C) Enterohemorrhagic Esch. coli
 - D) Enteropathogenic Esch. coli
247. High level disinfectant includes
- A) glutaraldehyde
 - B) alcohols
 - C) phenols
 - D) iodophois



248. India ink preparation of CSF is done to identify
A) Streptococcus agalactiae B) Naegleria fowleri
C) Cryptococcus neoformans D) Coxackie B
249. Active immunity is not acquired by
A) Infection B) Vaccination
C) Immunoglobulin transfer D) Subclinical infection
250. Non-cultivable fungus is
A) Rhinosporidium B) Candida
C) Sporothrix D) Penicillium
251. Quantitative cultures are necessary for laboratory diagnosis in infection of
A) Urinary tract B) Blood stream
C) Lungs D) Small intestine
252. In first week of illness, laboratory diagnosis of dengue is commonly done by
A) Suckling mouse inoculation B) Chick embryo culture
C) NS 1 antigen detection D) IgG antibody detection
253. Population doubling time in coliform bacilli is
A) 20 seconds B) 20 minutes
C) 20 hours D) 20 days
254. A person is positive for HBsAg, HBeAg and Anti-HBc - IgM, in relation to hepatitis B, this is a case of
A) Acute infection B) Chronic infection
C) Remote infection D) Highly infections acute infection
255. Cause of epilepsy in upto 50% Indian patients is
A) Neurocysticercosis B) Cerebral malaria
C) Toxoplasmosis D) Cerebral hydatid cyst
256. Which of the following is the correct use of barrier creams ?
A) For contraception B) Protection from occupational dermatitis
C) As mosquito repellants D) Protection from contagious diseases
257. A 18 year old HIV positive girl has been diagnosed to be suffering from sputum smear negative pulmonary Tuberculosis (New case). The treatment regimen recommended under DOTS for her is
A) 2(HRZE)₃ + 4(HR)₃ B) 2(HRZES)₃ + 1(HRZE)₃ + 5(HRE)₃
C) 2(HRZE)₃ + 4(HRE)₃ D) 2(HRZE)₃ + 6(HR)₃
258. The 'overall burden of diseases' is best detected by
A) Sullivan's Index B) Quality adjusted life years (QALY)
C) Human Developmental Index D) Disability adjusted life years (DALY)



259. All the following features contribute to High Risk Babies EXCEPT
- A) Babies of working mother
 - B) Birth order of 4 or more
 - C) Artificial feeding
 - D) Weight less than 70% of the expected weight
260. 'Acculturation' is defined as
- A) Loss of cultural values
 - B) Opposition of two cultures on contact
 - C) Fading away of a culture
 - D) Diffusion of two cultures on both ways
261. The toxic principle in cerebra thevetia is
- A) Neriodorin
 - B) Karabin
 - C) Thevetin
 - D) Folinerin
262. Railway spine is also known as
- A) Concussion of spine
 - B) Fracture of spine
 - C) Dislocation of spine
 - D) Contusion of spine
263. Saturated solution of common salt should not be used in case of suspected poisoning by
- A) Alcohol
 - B) Kerosene
 - C) Carbolic acid
 - D) Vegetable poisons
264. Onanism is
- A) Natural sexual offence
 - B) Unnatural sexual offence
 - C) Perversion
 - D) Indecent assault
265. In proximal ballistics 'primer' means
- A) Detonator
 - B) Projectile
 - C) Pellets
 - D) Gunpowder
266. Cystic Hygroma is found in
- A) Klinefelter's syndrome
 - B) Down's syndrome
 - C) Edward's syndrome
 - D) Turner's syndrome
267. Munro microabscesses occur in
- A) Psoriasis
 - B) Lichen planus
 - C) Lupus vulgaris
 - D) Impetigo
268. In Vitamin-A deficiency, cancerous lesions occur due to
- A) Metaplasia
 - B) Dysplasia
 - C) Aplasia
 - D) Hyperplasia
269. Spontaneous bleeding occurs when platelet count falls below
- A) 50,000/ μ l
 - B) 40,000/ μ l
 - C) 30,000/ μ l
 - D) 20,000/ μ l



270. Skin cancer is caused by due to exposure to
A) Asbestos
B) Arsenic
C) Nitrosamine
D) Vinyl chloride
271. In operated case of cholecystotomy, histopathological report suggest carcinoma of gall bladder restricted to mucosa. Further treatment will be
A) Observation and follow up
B) Reoperation with excision of wedge of liver
C) Rt. hepatectomy
D) Radiotherapy + chemotherapy
272. The initial treatment of choice for bleeding oesophageal varices is
A) TIPSS
B) Surgical shunt
C) Surgical devascularisation
D) Endoscopic Banding/Sclerotherapy
273. Commonest malignancy in thyroid gland seen is
A) Anaplastic carcinoma
B) Follicular carcinoma
C) Papillary carcinoma
D) Medullary carcinoma
274. The part of colon worst affected by ischaemic colitis is
A) Right colon
B) Left colon
C) Hepatic flexure
D) Splenic flexure
275. Young's Prostatectomy is a
A) Retropubic Prostatectomy
B) Perineal Prostatectomy
C) Transvesical Prostatectomy
D) Radical Prostatectomy
276. Hitzelberger's sign is seen in
A) Acoustic Neuroma
B) Glomus Jugulare
C) Glomus Tympanicum
D) Meniere's disease
277. Anterior pillar of tonsil is formed by
A) Palatopharyngeus muscle
B) Palatoglossus muscle
C) Genioglossus muscle
D) Hyoglossus muscle
278. CSF rhinorrhoea is diagnosed by
A) Beta 2 microglobulin
B) Thyroglobulin
C) Albumin
D) Beta 2 transferrin
279. Tripod fracture involves
A) Ethmoid complex
B) Zygomatic complex
C) Orbital floor
D) Mandible
280. The most common organism causing acute otitis media is
A) H. influenza
B) S. pneumoniae
C) M. catarrhalis
D) S. aureus



291. Which of the following is longest acting corticosteroid ?
A) Dexamethasone B) Prednisolone
C) Triamcinolone D) Hydrocortisone
292. The most effective antidote for belladonna poisoning is
A) Neostigmine B) Physostigmine
C) Pilocarpine D) Methacholine
293. Following ACE inhibitors are the prodrugs; EXCEPT
A) Ramipril B) Lisinopril
C) Enalapril D) Perindopril
294. Which of the following is resistant to both true and pseudo cholinesterase enzymes ?
A) Bethanechol B) Acetylcholine
C) Methacholine D) Pilocarpine
295. Predominant neurotransmitter in post-ganglionic sympathetic nerves is
A) Adrenaline B) Dopamine
C) 5 Hydroxytryptamine D) Noradrenaline
296. Accepted screening test for Hyperaldosteronism is
A) Measurement of sodium levels
B) Measurement of aldosterone levels
C) Calculation of aldosterone renin ratio
D) Measurement of potassium levels
297. The most powerful predictor of survival in case of multiple Myeloma is
A) β_2 Microglobulin B) Serum IgG levels
C) Serum calcium D) Urinary Bence-Jones proteins
298. The Neoplastic lesions which are most common AIDS-defining conditions in HIV infection are following EXCEPT
A) Kaposi's sarcoma B) NHL
C) Invasive cervical carcinoma D) Squamous cell carcinoma of lung
299. Felty's syndrome is characterised by all of the following features EXCEPT
A) Rheumatoid Arthritis B) Neutropenia
C) Nephropathy D) Splenomegaly
300. Monogenic transmission of diabetes mellitus occurs in
A) Insulin Dependant Diabetes Mellitus (IDDM)
B) Non-insulin Dependant Diabetes Mellitus (NIDDM)
C) Latent Autoimmune Diabetes in Adults (LADA)
D) Maturity Onset Diabetes of the Young (MODY)



SPACE FOR ROUGH WORK