

PGM-CET 2015
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 - 2015 Roll No.					
Answer Sheet No.					

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

Day and Date : Sunday, 4th January, 2015
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



12. Schatzkis ring is demonstrated by
A) Barium meal
B) Barium enema
C) IVP
D) Barium Swallow
13. Tissue Harmonic imaging involves use of
A) Radioisotope
B) Sound waves
C) Intravenous contrast
D) X-rays
14. On CT scan, extradural hemorrhage is
A) Biconvex in shape
B) Concavo-convex in shape
C) Shows extension within sulci
D) Cannot cross midline
15. The most accurate diagnostic method for detecting intracranial haemorrhage is
A) Digital Substraction Angiography (DSA)
B) CT scan
C) MRI
D) Trans Cranial Doppler
16. Which cells produce the surfactant in conducting part of the lungs ?
A) Goblet cells
B) Brush cells
C) Basal cells
D) Clara cells
17. Which one of the following bursae always communicates with knee joint cavity ?
A) Prepatellar
B) Suprapatellar
C) Superficial infrapatellar
D) Deep infrapatellar
18. 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
19. Which of the following tract carries thermal sensation ?
A) Anterior spinothalamic
B) Lateral spinothalamic
C) Spinotectal
D) Posterior column tract
20. Subarachnoid space extends till
A) S1 vertebra
B) S2 vertebra
C) L1 vertebra
D) L3 vertebra
21. 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
22. Which of the following monoclonal antibody is used for the treatment of allergic asthma ?
A) Natalizumab
B) Omalizumab
C) Tocilizumab
D) Eculizumab



23. Receptor Concept was first introduced by
A) Walksman
B) Paul Ehrlich
C) Simmonds
D) Langley
24. 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
25. Which one of the following is a pro-drug ?
A) Ampicillin B) Captopril C) Phenytoin D) Levodopa
26. 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 convolucional markings
27. 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
28. 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
29. 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
30. The half life of Cesium is _____
A) 5.27 yrs. B) 30.07 yrs. C) 74.2 days D) 1602 yrs.
31. 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



32. The Monoclonal antibody directed against CD20, used in treatment of Rheumatoid arthritis is
 - A) Cetuximab
 - B) Panitumumab
 - C) Rituximab
 - D) Tocilizumab
33. 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
34. Most common site for hypertensive intracerebral hemorrhage is
 - A) Frontal lobe
 - B) Temporal lobe
 - C) Occipital lobe
 - D) Putamen
35. 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
36. 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
37. Zinc deficiency leads to all EXCEPT
 - A) Delayed Sexual Maturation
 - B) Impaired Immune function
 - C) Skeletal Abnormalities
 - D) Excessive Appetite
38. 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
39. 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
40. 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
41. 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) $\frac{1}{60}$



42. 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
43. 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
44. 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
45. 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
46. The vitamin whose coenzyme is required in Transamination reaction is
- A) Thiamine B) Pyridoxine
C) Folic acid D) Biotin
47. Heme is converted to Bilirubin in
- A) Mitochondria B) Microsomes
C) Golgi bodies D) Plasma membrane
48. HHH syndrome is caused by defect in
- A) Ornithine Permease B) Ornithine Transcarbamylase
C) Arginase D) Argininosuccinate Lyase
49. 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
50. The following are appetite decreasing factors EXCEPT
- A) Leptin B) Melanocyte stimulating hormone
C) Glucagon related peptide I D) Neuropeptide Y
51. During adult cardiopulmonary resuscitation, all the following drugs can be administered through a tracheal tube EXCEPT
- A) atropine B) adrenaline C) vasopressin D) amiodarone



52. 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
53. 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
54. Abnormal sensation perceived without an apparent stimulus is called as
- A) Hyperesthesia B) Neuralgia C) Paresthesia D) Radiculopathy
55. Which neuro-muscular blocking drug release Histamine ?
- A) Pancuronium B) Rocuronium
C) Vecuronium D) Atracurium
56. Throughout the country every year anti malaria month is observed during the month of
- A) July B) January C) June D) December
57. 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
58. 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
59. 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
60. 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.
61. Amyloid Light chain (AL) is derived from
- A) Lymphocytes B) Plasma cells
C) Macrophages D) Basophils



62. 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
63. Cytosolic Cytochrome C plays an important function in
A) Apoptosis B) Cell necrosis
C) Electron transport chain D) Cell division
64. Red infarct is seen in
A) Heart B) Lung C) Kidney D) Spleen
65. Negri bodies are pathognomonic of
A) Schwannoma B) Nephroblastoma
C) Rhinoscleroma D) Rabies
66. 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
67. Monochorionic-Monoamniotic twin occurs if division occurs
A) < 24 hrs B) 1-4 days C) 4-8 days D) > 8 days
68. All of the following are contraindicated during pregnancy EXCEPT
A) Measles Vaccine B) Mumps Vaccine
C) HPV Vaccine D) Rabies Vaccine
69. In pregnancy, secretion of colostrum starts at
A) 12 weeks B) 24 weeks C) 30 weeks D) 36 weeks
70. The root value of Pudendal nerve is
A) L₅S₁S₂ B) S₁S₂S₃ C) S₂S₃S₄ D) S₃S₄S₅
71. 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
72. Stellate wound is produced with firearm in
A) Contact shot B) Close shot
C) Range within 60 cm D) Distant shot



73. Incised wounds with hesitation cuts indicates
- A) Homicide
 - B) Accident
 - C) Fall from height
 - D) Suicide
74. 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
75. 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
76. Heart rate accelerates during inspiration and decelerates during expiration is known as
- A) Sinus arrhythmia
 - B) Bainbridge reflex
 - C) Cushing's reflex
 - D) Marey's law
77. 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
78. Bone resorption is inhibited by
- A) Parathyroid hormone
 - B) Thyroid hormones
 - C) Cortisol
 - D) Estrogen
79. 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
80. Ratio of glomerular filtration rate to renal plasma flow is known as
- A) Filtration coefficient
 - B) Filtration fraction
 - C) Diffusion coefficient
 - D) Ejection fraction
81. 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) Gollinghar procedure



82. 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
83. Wickham's striae are seen in
A) Lichen planus B) Lichen aureus
C) Lichen nitidus D) Lichen sclerosis-et atrophicus
84. Nerve biopsy in leprosy is usually taken from
A) Ulnar B) Median
C) Lateral popliteal D) Sural
85. All of the following are stages of hair EXCEPT
A) Catagen B) Telogen C) Anagen D) Metagen
86. Retina is embryologically derived from
A) Mesoderm B) Surface ectoderm
C) Neural ectoderm D) Endoderm
87. Foster Fuch's spots are seen in
A) Hypermetropia B) Anisometropia
C) Myopia D) Anisokonia
88. Surgery of choice done in chronic acquired dacryocystitis
A) Dacryocystectomy B) Conjunctivo-cystorhinostomy
C) Dacryocystorhinostomy D) None
89. 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
90. 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
91. 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
92. Which of the following antimalarial drug is used in combination with artemether as fixed-dose combination ?
A) Mefloquine B) Piperaquine
C) Pyronaridine D) Lumifantrine



93. Which of the following is adrenergic neurone blocker drug ?
A) Guanethidine B) Reserpine
C) Sodium Nitropruside D) Hydrallazine
94. 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
95. Drug NOT USED in H. Pylori infection is
A) Amoxycillin B) Metronidazole
C) Mosapride D) Omeprazole
96. The drug of choice for Pernicious anaemia is
A) Oral Vit. B₁₂ B) Injectable Vit. B₁₂
C) Inj. Iron D) Inj. Vit. C
97. Which of the following is the antihelminthic of choice for the treatment of neurocysticercosis ?
A) Mebendazole B) Albendazole
C) Thiabendazole D) Ivermectin
98. Which of the following is radiomimetic drug ?
A) Azathioprine B) Busulfan
C) 5 Fluoro uracil D) Nitrogen mustard
99. Which of the following drug is used for treatment of pulmonary hypertension ?
A) Phosphodiesterase – 5 inhibitors
B) Beta₂ adrenergic agonists
C) Calcium channel blockers
D) Angiotensin II receptor antagonists
100. Drug used in opioid induced constipation is
A) Lubiprostone B) Alvimopan
C) Prucalopride D) Docusates sodium
101. Best test for assessment of Iron store is
A) Hemoglobin B) Serum Iron C) Ferritin D) Transferrin
102. Test for reversible cardiac ischaemia is
A) Resting Echocardiography B) Angiography
C) MVGA D) Thallium scan
103. Dissociate sensory loss is seen with
A) Syringomyelia B) Spinal Metastasis
C) Spinal Neurofibroma D) Tabes dorsalis



115. A Normal-anion-gap metabolic acidosis occurs in patients with
A) Diabetic keto-acidosis B) Methyl alcohol poisoning
C) Diarrhoea D) Acute kidney injury
116. Which artery is the branch of posterior division of internal iliac Artery ?
A) Superior gluteal B) Inferior gluteal
C) Obturator D) Middle rectal
117. Which muscle is attached to the tuberosity of navicular bone ?
A) adductor hallucis B) flexor hallucis brevis
C) tibialis anterior D) tibialis posterior
118. Parasympathetic or secretomotor fibers to otic ganglion are carried by or through the following petrosal nerve
A) Greater B) Lesser C) Superficial D) Deep
119. 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
120. In Guillian Barre syndrome following cells are affected
A) Anterior horn cells B) Schwann cells
C) Ependymal cells D) Dorsal root ganglion cells
121. 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
122. Which serogroup of *Leptospira interrogans* is commonly responsible for causing Weil's disease ?
A) Icterohaemorrhagiae B) Hebdomadis
C) Australis D) Canicola
123. 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
124. In India the predominant species of *Shigella* is
A) *S. dysenteriae* B) *S. flexneri*
C) *S. boydii* D) *S. sonnei*
125. 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



126. All are complications of fibroid in Pregnancy EXCEPT
- A) Red degeneration B) Obstructed labour
C) PPH D) Placenta Previa
127. Billing's method of contraception refers to
- A) Monitoring basal body temperature
B) Cervical mucus method
C) Rhythm method
D) Coitus interruptus method
128. Mittelsehmerz's pain is sign of
- A) Implantation B) Ovulation C) Fertilization D) Abortion
129. 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
130. Complete failure of Mullerian duct fusion will result in
- A) Uterus Didelphys B) Arcuate Uterus
C) Subseptate uterus D) Bicornuate uterus
131. Pheochromocytoma is the disease of
- A) Pituitary gland B) Adrenal medulla
C) Pancreas D) Adrenal cortex
132. 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
133. 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
134. Gold standard for diagnosing Common Bile Duct Stones is
- A) Plain X ray abdomen B) Oral cholecystography
C) Ultrasonography D) Endoscopic cholangiography



135. 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
136. Berlin odema is caused by
A) Chronic posterior uveitis B) Blunt trauma to the eye
C) HIV retinopathy D) Diabetic retinopathy
137. The specular microscope is used to see
A) Corneal endothelium B) Intra ocular pressure
C) Retina D) Corneal thickness
138. Zonular cataract is a type of
A) Congenital cataract B) Developmental cataract
C) Complicated cataract D) Secondary cataract
139. Snow banking is a typical feature seen in
A) Coats disease B) Diabetic retinopathy
C) Eales disease D) Intermediate uveitis
140. Haredolum internum is suppurative inflammation of
A) Gland of Zeis B) Gland of Moll
C) Meibomian gland D) Accessory lacrimal glands
141. Micronodular cirrhosis is seen in all EXCEPT
A) Alcoholic cirrhosis B) Wilson's disease
C) Budd chiari syndrome D) Indian childhood cirrhosis
142. Autophagic vacuoles are seen in which type of cellular adaptation ?
A) Hyperplasia B) Hypertrophy C) Metaplasia D) Atrophy
143. Oxygen dependent killing is done through
A) NADPH oxidase B) Superoxide dismutase
C) Catalase D) Glutathione peroxidase
144. Autosplenectomy is seen in
A) Thalassemia B) Hereditary spherocytosis
C) Sickle cell anaemia D) Myelofibrosis
145. Libman sacks endocarditis is
A) Endocarditis in SLE B) Infective endocarditis
C) Endocarditis in Rheumatic fever D) Tuberculous endocarditis



146. Cross bridges in skeletal muscles are structural component of
A) Actin B) Myosin C) Tropomyosin D) Troponin
147. In His bundle electrogram, an 'A' deflection indicates
A) SA node activation B) AV node activation
C) Atrial depolarisation D) Ventricular depolarisation
148. Intention tremors are seen in the lesions of
A) Basal ganglia B) Cerebellum
C) Thalamus D) Hypothalamus
149. 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
150. 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
151. 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
152. The Framingham Heart Study is an example of which type of epidemiologic study ?
A) Descriptive B) Case-control
C) Cohort D) Experimental
153. 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
154. '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
155. 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



156. 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
157. 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
158. Variable decelerations of foetal heart rate are suggestive of
A) Cord Compression B) Head Compression
C) Fetoplacental Insufficiency D) None of these
159. Recommended dose of folic acid during pregnancy is
A) 200 mg/day B) 300 mg/day C) 400 mg/day D) 500 mg/day
160. 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
161. 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
162. Q Fever is caused by
A) Rickettsia prowazekii B) Ehrlichia sennetsu
C) Coxiella burnetii D) Orientia tsutsugamushi
163. Hemorrhagic colitis and hemorrhagic uremic syndrome is caused by which type of E.coli ?
A) Verotoxigenic B) Enterotoxigenic
C) Enteroinvasive D) Enteropathogenic
164. In syphilis, the test performed to monitor response to treatment is
A) VDRL B) TPI
C) TPHA D) FTA-ABS
165. Dimorphic fungi grow as yeasts at
A) 25°C B) 37°C
C) 42°C D) Room Temperature
166. The Term 'Dementia Precox' was coined by
A) Freud B) Bleuler C) Kraepelin D) Schneider



178. The causative organism of erythrasma is
A) Corynebacterium B) Staphylococcus
C) Streptococcus D) Pseudomonas
179. 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
180. The Onodi cell refers to
A) Sphenoid sinus B) Posterior group of ethmoid cells
C) Frontal sinus D) Anterior group of ethmoid cells
181. Inactivation of BRCA1 and BRCA2 genes leads to increased risk of which malignancy ?
A) Colon B) Kidney C) Breast D) Liver
182. The action of prostacyclin is
A) Vasodilation and inhibition of platelet aggregation
B) Vasoconstriction and promote platelet aggregation
C) Bronchospasm
D) Inhibitor of inflammation
183. Following pathogenetic mechanisms operate in septic shock EXCEPT
A) Increased peripheral vascular resistance
B) Venospasm
C) Direct toxic endothelial injury
D) Activation of complement
184. In acute inflammation, pain is mediated by
A) Chemokines B) Histamine
C) Prostaglandin D) Serotonin
185. Physaliferous cells are seen in
A) Phyllodes tumour B) Chordoma
C) Meningioma D) Pheochromocytoma
186. 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



187. 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
188. The interstitial component of body water accounts for about the following percentage of body weight
A) 5 B) 15 C) 25 D) 75
189. Lasik is the refractive surgery in which the laser used is
A) Yag B) Diode C) Excimer D) None
190. Kayser-Fleischer rings are seen in
A) Wilson disease B) Parkinson disease
C) Alzheimer disease D) Multiple sclerosis
191. The most common complication after supracondylar fracture humerus is
A) Cubitus varus B) Cubitus valgus
C) Median nerve injury D) Ulnar nerve injury
192. Brodie's abscess is a terminology for
A) Subungual infection B) Chronic osteomyelitis
C) Web space infection D) Infected hematoma
193. The muscle affected in congenital torticollis is
A) Trapezius B) Rhomboideus Major
C) Rhomboideus Minor D) Sternocleidomastoid
194. Chauffeur's fracture involves the
A) Radial head B) Radial styloid
C) Ulnar styloid D) Base of I Metacarpal
195. Least helpful for the diagnosis of spondylolisthesis is
A) Lateral X-ray of spine B) AP X-ray of spine
C) MRI D) CT
196. 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
197. 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



198. "Chain of lakes" is seen on ERCP in
A) Chronic pancreatitis B) Pancreatic divisum
C) Ileocecal TB D) Ca. head of pancreas
199. 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
200. 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
201. Which of the following is elevated in hypothalamic tissue during fever ?
A) Estrogen B) Prostaglandin E₂
C) Prostaglandin E₁ D) Gonadotropin
202. Which of the following condition is diagnosed by Bronchodilator reversibility test ?
A) Chronic Bronchitis B) Bronchial asthma
C) Emphysema D) Interstitial lung disease
203. Which of the following condition has greater risk of sudden death ?
A) Dilated cardiomyopathy B) Hypertrophic cardiomyopathy
C) Aortic incompetence D) Restrictive cardiomyopathy
204. 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%
205. Following is the simple and quick invasive test to detect Helicobacter Pylori infection ?
A) Biopsy Urease test B) Gastric juice pH
C) Endoscopic biopsy D) Barium study
206. Which of the following is a proto-oncogene ?
A) Myc B) BCl₂ C) BRCA1 D) RB
207. Which vitamin influences tissue repair ?
A) Vitamin A B) Vitamin B C) Vitamin C D) Vitamin D
208. HLA B27 is NOT seen in
A) SLE B) Ankylosing Spondylitis
C) Reiter's Syndrome D) Psoriatic Arthritis



209. 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
210. Marker for Langerhans cell histiocytosis is
- A) CD 5 B) CD 22 C) CD 1a D) CD 30
211. The major stimulus for receptive relaxation of stomach is
- A) Food entry in stomach B) Food entry in intestine
C) Secretin D) Cholecystokinin
212. Which of following substance is actively secreted in Renal tubules ?
- A) Amino acid B) Chloride
C) Glucose D) Potassium
213. 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
214. 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
215. 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
216. 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 profundus
D) None of above
217. 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
218. Premature fusion of coronal, sphenofrontal and frontoethmoidal sutures is seen in
- A) Turricephaly B) Dolicocephaly
C) Plagiocephaly D) Trigoncephaly



219. 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
220. In boys which is the first visible sign of puberty ?
A) Testicular enlargement B) Penile growth
C) Breast hypertrophy D) Dark scrotum
221. 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
222. Ochsner-Sherren regime is used in management of
A) appendicular abscess B) chronic appendicitis
C) appendicular mass D) acute appendicitis
223. The commonest clinical pattern of basal cell carcinoma is
A) nodular B) morphea form
C) superficial D) keratotic
224. Pressure sores occur most commonly in
A) Ischium B) Sacrum C) Heel D) Occiput
225. Stensen's duct is the duct of
A) parotid gland B) submandibular salivary gland
C) sublingular salivary gland D) minor salivary gland
226. The clinical goal of "cholesterol / HDL ratio" recommended for CHD prevention is
A) < 3.5 B) < 2.5 C) < 10.5 D) < 1.5
227. 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
228. 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



229. In 'Milestones of Development' 'Listening' refers to which type of development ?
A) Motor
B) Language
C) Adaptive
D) Sociopersonal
230. Which of the following diseases is transmitted by mansonoides mosquitoes ?
A) Japanese Encephalitis
B) West Nile Fever
C) Rift Valley Fever
D) Chikungunya Fever
231. Posthepatic Portal Hypertension is caused by
A) Portal vein thrombosis
B) Banti Syndrome
C) Budd-Chiari Syndrome
D) Congenital hepatic fibrosis
232. 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
233. In Acute myocardial infarction following are used EXCEPT
A) Platelet Inhibitors
B) Fibrinolytics
C) Antithrombin
D) Plasminogen activator Inhibitors
234. Most specific autoantibodies found in Systemic Lupus Erythematosus are
A) Anti-RO B) Anti-SM C) Anti-RNP D) Anti-DSDNA
235. Hepatitis E virus belongs to
A) Hepadna virus group
B) Flavivirus group
C) Calici virus group
D) Enterovirus group
236. Placenta is formed by
A) Decidua basalis
B) Chorion frondosum and decidua basalis
C) Decidua capsularis
D) Decidua parietalis
237. 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
238. Which is natural (living) ligature of uterus ?
A) Endometrium
B) Myometrium
C) Perimetrium
D) Internal OS



239. MTP act DOES NOT allow termination of pregnancy beyond
A) 12 weeks B) 16 weeks C) 28 weeks D) 20 weeks
240. Which drug should NOT be given before delivery of baby ?
A) Oxytocin B) Methylergometrin
C) PGE₂ D) PGE₁
241. 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
242. Commonest cause of “Wrist Drop” is
A) Intramuscular injection B) Fracture Humerus
C) Dislocation of elbow D) Dislocation of shoulder
243. Occult fracture of neck femur is best diagnosed by
A) C.T. Scan B) Bone scan
C) MRI D) None of the above
244. “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
245. Diaphyseal aclasis is aetiologically
A) Congenital B) Developmental
C) Metabolic D) Inflammatory
246. The blotting technique used for the analysis of RNA is called :
A) Southern blotting B) Northern blotting
C) Western blotting D) Genetic engineering
247. The vector for Chaga’s disease is
A) Tsetse fly B) Reduviid bug
C) Sandfly D) Anopheles mosquito
248. Castaneda method of blood culture is usually used for diagnosis of :
A) Lobar pneumonia B) Toxic shock syndrome
C) Relapsing fever D) Brucellosis
249. Actinomyces israelii has following feature
A) Exogenous infection B) Thick, branching filaments
C) Anaerobic D) Black granules



250. Casoni's skin test for *E. granulosis* is an example of
A) Delayed hypersensitivity B) Immediate hypersensitivity
C) Serum sickness D) Type II hypersensitivity
251. The first recombinant vaccine cloned in yeast is
A) Hepatitis B vaccine B) Measles vaccine
C) Rubella vaccine D) Typhoid vaccine
252. Which of the following bacteria can cause swimming pool granuloma ?
A) *Mycobacterium fortuitum* B) *Mycobacterium marinum*
C) *Mycobacterium ulcerans* D) *Mycobacterium avium*
253. Which of the following immunoglobulin has special role in defence against helminthic infections ?
A) IgE B) IgD C) IgG D) IgM
254. Which of the following streptococci cause neonatal meningitis ?
A) *S. agalactiae* B) *S. pyogenes* C) *S. bovis* D) *S. mutans*
255. 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
256. 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
257. 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
258. 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
259. Which medicine claims to be the worlds first organized body of medical knowledge ?
A) Indian B) Chinese C) Egyptian D) Mesopotamian



- 260. Which of the following international health agencies promoted a GOBI campaign ?
A) USAID B) UNICEF C) UNDP D) UNFPA
- 261. For diatom test, the best site for taking sample is
A) Lungs B) Muscle
C) Brain D) Bone marrow of femur
- 262. An order for Exhumation can be given by
A) Doctor B) Police Commissioner
C) Magistrate D) Lawyer
- 263. 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
- 264. 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
- 265. 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
- 266. Which of the following is an anti-apoptotic gene ?
A) Bcl-2 B) Bak C) Bax D) Bim
- 267. Which type of necrosis is characterized by visible Chalky-white areas ?
A) Coagulative necrosis B) Liquefactive necrosis
C) Fat necrosis D) Fibrinoid necrosis
- 268. Chemotaxis is promoted by all EXCEPT
A) Lymphokine B) Kallikrine
C) Serotonin D) Complement C₅
- 269. Following gene is called as 'Molecular policeman'
A) P 53 B) APC C) BRCA D) NF-1
- 270. The following is low risk type human papilloma virus
A) HPV – 6 B) HPV – 18 C) HPV – 16 D) HPV – 31
- 271. Retrograde cystograph showing an exceedingly contracted (thimble) bladder in case of
A) Hunner's ulcer B) Cystitis cystica
C) Tuberculous cystitis D) Encrusting cystitis



272. 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
273. 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
274. Peaü 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
275. 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
276. Acoustic neuroma commonly arises from
- A) Superior vestibular nerve
 - B) Inferior vestibular nerve
 - C) Cochlear nerve
 - D) Facial nerve
277. Which of the following is NOT the site of paragangliomas ?
- A) Carotid bifurcation
 - B) Genuiculate ganglion
 - C) Jugular foramen
 - D) Promontory of middle ear
278. In unilateral vocal cord paralysis treatment is
- A) Isshiki Type I thyroplasty
 - B) Isshiki Type II thyroplasty
 - C) Woodmann operation
 - D) Laser arytenoidectomy
279. Which of the following drugs is linked with rhinitis medicamentosa ?
- A) Intranasal steroid spray
 - B) Ipratropium bromide
 - C) Xylometazoline
 - D) Cocaine
280. Pre-epiglottic space is also called as
- A) Reinke's space
 - B) Sinus of larynx
 - C) Rima glottitis
 - D) Space of Boyer



291. All of the following are antiplatelet agents EXCEPT
A) Aspirin
B) Urokinase
C) Ticlopidine
D) Clopidogrel
292. Which of the following is the most clot-specific thrombolytic ?
A) Hyaluronidase
B) Urokinase
C) Alteplase
D) Streptokinase
293. Flacid paralysis of worms is caused by
A) Piperazine citrate
B) Diethyl carbamazime
C) Mebendazole
D) Niclosamide
294. Dopamine receptor agonist used in the treatment of parkinsonism is
A) Selegiline
B) Tolcapone
C) Ropinirole
D) Amantadine
295. Which of the following agent is preferred for induction as well as maintenance of anaesthesia ?
A) Phenobarbitone
B) Pentobarbitone
C) Thiopentone sodium
D) Propofol
296. 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
297. 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
298. The parameter which is NOT SEEN in Waldenström's macroglobulinemia is
A) M component in serum
B) Hyperviscosity state
C) Hypercalcaemia
D) Positive Coomb's test
299. Curative treatment for Chronic Myeloid Leukemia is
A) Interferon
B) Autologous HSCT
C) Splenectomy
D) Imatinib
300. 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



SPACE FOR ROUGH WORK