

PGM-CET 2015
QUESTION BOOKLET

Question Booklet Version		
<table border="1" style="margin: auto;"><tr><td style="text-align: center;">2</td><td style="text-align: center;">2</td></tr></table> Twenty Two (Write this number on your Answer Sheet)	2	2
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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



1. The first recombinant vaccine cloned in yeast is
 - A) Hepatitis B vaccine
 - B) Measles vaccine
 - C) Rubella vaccine
 - D) Typhoid vaccine
2. Which of the following bacteria can cause swimming pool granuloma ?
 - A) Mycobacterium fortuitum
 - B) Mycobacterium marinum
 - C) Mycobacterium ulcerans
 - D) Mycobacterium avium
3. Which of the following immunoglobulin has special role in defence against helminthic infections ?
 - A) IgE
 - B) IgD
 - C) IgG
 - D) IgM
4. Which of the following streptococci cause neonatal meningitis ?
 - A) S. agalactiae
 - B) S. pyogenes
 - C) S. bovis
 - D) S. mutans
5. 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
6. 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
7. 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
8. 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
9. Which medicine claims to be the worlds first organized body of medical knowledge ?
 - A) Indian
 - B) Chinese
 - C) Egyptian
 - D) Mesopotamian
10. Which of the following international health agencies promoted a GOBI campaign ?
 - A) USAID
 - B) UNICEF
 - C) UNDP
 - D) UNFPA
11. For diatom test, the best site for taking sample is
 - A) Lungs
 - B) Muscle
 - C) Brain
 - D) Bone marrow of femur



12. An order for Exhumation can be given by
A) Doctor
B) Police Commissioner
C) Magistrate
D) Lawyer
13. 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
14. 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
15. 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
16. Which of the following is an anti-apoptotic gene ?
A) Bcl-2
B) Bak
C) Bax
D) Bim
17. Which type of necrosis is characterized by visible Chalky-white areas ?
A) Coagulative necrosis
B) Liquefactive necrosis
C) Fat necrosis
D) Fibrinoid necrosis
18. Chemotaxis is promoted by all EXCEPT
A) Lymphokine
B) Kallikrine
C) Serotonin
D) Complement C₅
19. Following gene is called as 'Molecular policeman'
A) P 53
B) APC
C) BRCA
D) NF-1
20. The following is low risk type human papilloma virus
A) HPV – 6
B) HPV – 18
C) HPV – 16
D) HPV – 31
21. Retrograde cystograph showing an exceedingly contracted (thimble) bladder in case of
A) Hunner's ulcer
B) Cystitis cystica
C) Tuberculous cystitis
D) Encrusting cystitis
22. 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



23. 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
24. 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
25. 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
26. Acoustic neuroma commonly arises from
A) Superior vestibular nerve B) Inferior vestibular nerve
C) Cochlear nerve D) Facial nerve
27. Which of the following is NOT the site of paragangliomas ?
A) Carotid bifurcation B) Genuiculate ganglion
C) Jugular foramen D) Promontory of middle ear
28. In unilateral vocal cord paralysis treatment is
A) Isshiki Type I thyroplasty B) Isshiki Type II thyroplasty
C) Woodmann operation D) Laser arytenoidectomy
29. Which of the following drugs is linked with rhinitis medicamentosa ?
A) Intranasal steroid spray B) Ipratropium bromide
C) Xylometazoline D) Cocaine
30. Pre-epiglottic space is also called as
A) Reinke's space B) Sinus of larynx
C) Rima glottitis D) Space of Boyer
31. 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
32. Rhabdomyosarcoma is treated by
A) Chemotherapy B) Radiation
C) Surgery D) All of the above



54. 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
55. Allopurinol is a competitive inhibitor of
A) PRPP synthetase B) Glucose 6 phosphatase
C) Xanthine oxidase D) Adenosine deaminase
56. In development of language, a child is able to tell stories by
A) 1 year B) 2 years C) 3 years D) 4 years
57. All are features of Autoimmune Addison Disease EXCEPT
A) Hypoglycemia B) Ketosis
C) Hyponatremia D) Hypokalemia
58. True about Asperger's syndrome is
A) Cognitively delayed
B) Normal social interaction
C) Language skills relatively intact
D) Normal occupational functioning
59. Angiofollicular lymph node hyperplasia is
A) Castleman disease B) Rosai-Dorfman disease
C) Kikuchi-Fujimoto disease D) Refsum's disease
60. 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
61. The ovarian cancer specific for 'Schiller Duval Bodies' is
A) Endodermal Sinus Tumor B) Granulosa Cell Tumor
C) Immature Teratoma D) Gynandroblastoma
62. Schatzkis ring is demonstrated by
A) Barium meal B) Barium enema
C) IVP D) Barium Swallow
63. Tissue Harmonic imaging involves use of
A) Radioisotope B) Sound waves
C) Intravenous contrast D) X-rays
64. On CT scan, extradural hemorrhage is
A) Biconvex in shape B) Concavo-convex in shape
C) Shows extension within sulci D) Cannot cross midline



65. The most accurate diagnostic method for detecting intracranial haemorrhage is
A) Digital Substraction Angiography (DSA)
B) CT scan
C) MRI
D) Trans Cranial Doppler
66. Which cells produce the surfactant in conducting part of the lungs ?
A) Goblet cells B) Brush cells C) Basal cells D) Clara cells
67. Which one of the following bursae always communicates with knee joint cavity ?
A) Prepatellar B) Suprapatellar
C) Superficial infrapatellar D) Deep infrapatellar
68. 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
69. Which of the following tract carries thermal sensation ?
A) Anterior spinothalamic B) Lateral spinothalamic
C) Spinotectal D) Posterior column tract
70. Subarachnoid space extends till
A) S1 vertebra B) S2 vertebra C) L1 vertebra D) L3 vertebra
71. 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
72. Which of the following monoclonal antibody is used for the treatment of allergic asthma ?
A) Natalizumab B) Omalizumab
C) Tocilizumab D) Eculizumab
73. Receptor Concept was first introduced by
A) Walksman B) Paul Ehrlich
C) Simmonds D) Langley
74. 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



75. Which one of the following is a pro-drug ?
A) Ampicillin B) Captopril C) Phenytoin D) Levodopa
76. 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
77. 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
78. 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
79. 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
80. The half life of Cesium is _____
A) 5.27 yrs. B) 30.07 yrs. C) 74.2 days D) 1602 yrs.
81. 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
82. The Monoclonal antibody directed against CD20, used in treatment of Rheumatoid arthritis is
A) Cetuximab B) Panitumumab
C) Rituximab D) Tocilizumab
83. 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
84. Most common site for hypertensive intracerebral hemorrhage is
A) Frontal lobe B) Temporal lobe
C) Occipital lobe D) Putamen



106. Throughout the country every year anti malaria month is observed during the month of
A) July B) January C) June D) December
107. 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
108. 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
109. 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
110. 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.
111. Amyloid Light chain (AL) is derived from
A) Lymphocytes B) Plasma cells
C) Macrophages D) Basophils
112. 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
113. Cytosolic Cytochrome C plays an important function in
A) Apoptosis B) Cell necrosis
C) Electron transport chain D) Cell division
114. Red infarct is seen in
A) Heart B) Lung C) Kidney D) Spleen
115. Negri bodies are pathognomonic of
A) Schwannoma B) Nephroblastoma
C) Rhinoscleroma D) Rabies



116. Placenta is formed by
A) Decidua basalis
B) Chorion frondosum and decidua basalis
C) Decidua capsularis
D) Decidua parietalis
117. 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
118. Which is natural (living) ligature of uterus ?
A) Endometrium
B) Myometrium
C) Perimetrium
D) Internal OS
119. MTP act DOES NOT allow termination of pregnancy beyond
A) 12 weeks B) 16 weeks C) 28 weeks D) 20 weeks
120. Which drug should NOT be given before delivery of baby ?
A) Oxytocin
B) Methylergometrin
C) PGE₂
D) PGE₁
121. 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
122. Stellate wound is produced with firearm in
A) Contact shot
B) Close shot
C) Range within 60 cm
D) Distant shot
123. Incised wounds with hesitation cuts indicates
A) Homicide
B) Accident
C) Fall from height
D) Suicide
124. 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
125. 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



126. 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
127. 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
128. Bone resorption is inhibited by
- A) Parathyroid hormone B) Thyroid hormones
C) Cortisol D) Estrogen
129. 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
130. Ratio of glomerular filtration rate to renal plasma flow is known as
- A) Filtration coefficient B) Filtration fraction
C) Diffusion coefficient D) Ejection fraction
131. 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) Golvinghar procedure
132. Types of anal fistula includes intersphincteric, trans-sphincteric, suprasphincteric extrasphincteric primary tracks is called as
- A) Park's classification B) Golvinghar classification
C) Goodsall's rule D) Northen's classification
133. Wickham's striae are seen in
- A) Lichen planus B) Lichen aureus
C) Lichen nitidus D) Lichen sclerosis-et atrophicus
134. Nerve biopsy in leprosy is usually taken from
- A) Ulnar B) Median
C) Lateral popliteal D) Sural



135. All of the following are stages of hair EXCEPT
A) Catagen B) Telogen C) Anagen D) Metagen
136. Retina is embryologically derived from
A) Mesoderm B) Surface ectoderm
C) Neural ectoderm D) Endoderm
137. Foster Fuch's spots are seen in
A) Hypermetropia B) Anisometropia
C) Myopia D) Anisokonia
138. Surgery of choice done in chronic acquired dacryocystitis
A) Dacryocystectomy B) Conjunctivo-cystorhinostomy
C) Dacryocystorhinostomy D) None
139. 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
140. 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
141. 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
142. Which of the following antimalarial drug is used in combination with artemether as fixed-dose combination ?
A) Mefloquine B) Piperaquine
C) Pyronaridine D) Lumifantrine
143. Which of the following is adrenergic neurone blocker drug ?
A) Guanethidine B) Reserpine
C) Sodium Nitropruside D) Hydrallazine
144. 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
145. Drug NOT USED in H. Pylori infection is
A) Amoxicillin B) Metronidazole
C) Mosapride D) Omeprazole



146. The drug of choice for Pernicious anaemia is
A) Oral Vit. B₁₂ B) Injectable Vit. B₁₂
C) Inj. Iron D) Inj. Vit. C
147. Which of the following is the antihelminthic of choice for the treatment of neurocysticercosis ?
A) Mebendazole B) Albendazole
C) Thiabendazole D) Ivermectin
148. Which of the following is radiomimetic drug ?
A) Azathioprine B) Busulfan
C) 5 Fluoro uracil D) Nitrogen mustard
149. 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
150. Drug used in opioid induced constipation is
A) Lubiprostone B) Alvimopan
C) Prucalopride D) Docusates sodium
151. Best test for assessment of Iron store is
A) Hemoglobin B) Serum Iron C) Ferritin D) Transferrin
152. Test for reversible cardiac ischaemia is
A) Resting Echocardiography B) Angiography
C) MVGA D) Thallium scan
153. Dissociate sensory loss is seen with
A) Syringomyelia B) Spinal Metastasis
C) Spinal Neurofibroma D) Tabes dorsalis
154. Safer drug in a patient of Diabetes with renal impairment is
A) Metformin B) Pioglitazone
C) Acarbose D) Glimeperide
155. Wilson's disease is caused by defect in
A) ATP 7A mutation B) ATP 7B mutation
C) Ceruloplasmin D) ATP 7C mutations



156. Following is the vegetative disturbance in depression
A) loss of interest B) pseudo dementia
C) hopelessness D) insomnia
157. The following are major components of Mental Status Examination EXCEPT
A) Abstract Thinking B) Test Judgement
C) Logical reasoning D) Perceptual Disturbances
158. Ross classified five stages of
A) Schizophrenia B) Delusion
C) Death D) None
159. The co-occurrence of how many psychiatric disorders in a single patient can be termed comorbidity ?
A) 2 B) > 2 C) ≥ 3 D) 3
160. Mini- Mental State Examination (MMSE) is a screening instrument/test for
A) Depression B) Dementia
C) Schizophrenia D) Mania
161. 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
162. Coarctation of aorta is most commonly associated with
A) ASD B) PDA
C) Bicuspid aortic valve D) VSD
163. Drug of choice for mycoplasma pneumoniae is
A) Cotrimoxazole B) Penicillin
C) Tetracyclines D) Amphotericin B
164. Part of spine, involved in Rheumatoid arthritis is
A) Sacral B) Lumbar C) Thoracic D) Cervical
165. A Normal-anion-gap metabolic acidosis occurs in patients with
A) Diabetic keto-acidosis B) Methyl alcohol poisoning
C) Diarrhoea D) Acute kidney injury
166. Which artery is the branch of posterior division of internal iliac Artery ?
A) Superior gluteal B) Inferior gluteal
C) Obturator D) Middle rectal



167. Which muscle is attached to the tuberosity of navicular bone ?
A) adductor hallucis B) flexor hallucis brevis
C) tibialis anterior D) tibialis posterior
168. Parasympathetic or secretomotor fibers to otic ganglion are carried by or through the following petrosal nerve
A) Greater B) Lesser C) Superficial D) Deep
169. 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
170. In Guillian Barre syndrome following cells are affected
A) Anterior horn cells B) Schwann cells
C) Ependymal cells D) Dorsal root ganglion cells
171. 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
172. Which serogroup of *Leptospira interrogans* is commonly responsible for causing Weil's disease ?
A) Icterohaemorrhagiae B) Hebdomadis
C) Australis D) Canicola
173. 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
174. In India the predominant species of *Shigella* is
A) *S. dysenteriae* B) *S. flexneri*
C) *S. boydii* D) *S. sonnei*
175. 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
176. All are complications of fibroid in Pregnancy EXCEPT
A) Red degeneration B) Obstructed labour
C) PPH D) Placenta Previa



177. Billing's method of contraception refers to
A) Monitoring basal body temperature
B) Cervical mucus method
C) Rhythm method
D) Coitus interruptus method
178. Mittelsehmerz's pain is sign of
A) Implantation B) Ovulation C) Fertilization D) Abortion
179. 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
180. Complete failure of Mullerian duct fusion will result in
A) Uterus Didelphys B) Arcuate Uterus
C) Subseptate uterus D) Bicornuate uterus
181. Pheochromocytoma is the disease of
A) Pituitary gland B) Adrenal medulla
C) Pancreas D) Adrenal cortex
182. 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
183. 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
184. Gold standard for diagnosing Common Bile Duct Stones is
A) Plain X ray abdomen B) Oral cholecystography
C) Ultrasonography D) Endoscopic cholangiography
185. 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



186. Berlin odema is caused by
A) Chronic posterior uveitis B) Blunt trauma to the eye
C) HIV retinopathy D) Diabetic retinopathy
187. The specular microscope is used to see
A) Corneal endothelium B) Intra ocular pressure
C) Retina D) Corneal thickness
188. Zonular cataract is a type of
A) Congenital cataract B) Developmental cataract
C) Complicated cataract D) Secondary cataract
189. Snow banking is a typical feature seen in
A) Coats disease B) Diabetic retinopathy
C) Eales disease D) Intermediate uveitis
190. Haredolum internum is suppurative inflammation of
A) Gland of Zeis B) Gland of Moll
C) Meibomian gland D) Accessory lacrimal glands
191. Micronodular cirrhosis is seen in all EXCEPT
A) Alcoholic cirrhosis B) Wilson's disease
C) Budd chiari syndrome D) Indian childhood cirrhosis
192. Autophagic vacuoles are seen in which type of cellular adaptation ?
A) Hyperplasia B) Hypertrophy C) Metaplasia D) Atrophy
193. Oxygen dependent killing is done through
A) NADPH oxidase B) Superoxide dismutase
C) Catalase D) Glutathione peroxidase
194. Autosplenectomy is seen in
A) Thalassemia B) Hereditary spherocytosis
C) Sickle cell anaemia D) Myelofibrosis
195. Libman sacks endocarditis is
A) Endocarditis in SLE B) Infective endocarditis
C) Endocarditis in Rheumatic fever D) Tuberculous endocarditis
196. Cross bridges in skeletal muscles are structural component of
A) Actin B) Myosin C) Tropomyosin D) Troponin
197. In His bundle electrogram, an 'A' deflection indicates
A) SA node activation B) AV node activation
C) Atrial depolarisation D) Ventricular depolarisation



198. Intention tremors are seen in the lesions of
A) Basal ganglia B) Cerebellum
C) Thalamus D) Hypothalamus
199. 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
200. 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
201. 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
202. The Framingham Heart Study is an example of which type of epidemiologic study ?
A) Descriptive B) Case-control
C) Cohort D) Experimental
203. 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
204. ‘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
205. 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
206. 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



207. 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
208. Variable decelerations of foetal heart rate are suggestive of
A) Cord Compression
B) Head Compression
C) Fetoplacental Insufficiency
D) None of these
209. Recommended dose of folic acid during pregnancy is
A) 200 mg/day B) 300 mg/day C) 400 mg/day D) 500 mg/day
210. 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
211. 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
212. Q Fever is caused by
A) Rickettsia prowazekii
B) Ehrlichia sennetsu
C) Coxiella burnetii
D) Orientia tsutsugamushi
213. Hemorrhagic colitis and hemorrhagic uremic syndrome is caused by which type of E.coli ?
A) Verotoxigenic
B) Enterotoxigenic
C) Enteroinvasive
D) Enteropathogenic
214. In syphilis, the test performed to monitor response to treatment is
A) VDRL
B) TPI
C) TPHA
D) FTA-ABS
215. Dimorphic fungi grow as yeasts at
A) 25°C
B) 37°C
C) 42°C
D) Room Temperature
216. The Term 'Dementia Praecox' was coined by
A) Freud B) Bleuler C) Kraepelin D) Schneider
217. Emotion is controlled by
A) Limbic system
B) Frontal lobe
C) Temporal lobe
D) Occipital lobe



218. Treatment is NOT required in withdrawal of
A) Cannabis B) Alcohol C) Amphetamine D) LSD
219. '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
220. Serum Lithium level should be checked earliest after how many days of constant dosing ?
A) 3 B) 5 C) 14 D) 20
221. The first enzyme to be released into circulation after myocardial infarction is
A) Alanine Transaminase B) Aspartate Transaminase
C) Lactate Dehydrogenase D) Creatine Phosphokinase
222. Rancidity of fats is due to
A) Cyclic hydrocarbons B) Lysolecithin
C) Glycosphingolipids D) Cholesterol
223. One of the oldest and most widely used bioinformatic database is
A) UniGen B) GDB C) OMIM D) UniProt
224. 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
225. Non heme iron containing protein is
A) Myoglobin B) Catalase
C) Ferritin D) Cytochrome oxidase
226. The organism playing pathogenic role in seborrheic dermatitis is
A) Pityrosporum B) Sarcoptes
C) Corynebacterium D) Trichophyton
227. Pemphigus neonatorum is a variety of
A) Bullous impetigo B) Epidermolysis Bullosa
C) Congenital syphilis D) Pemphigus
228. The causative organism of erythrasma is
A) Corynebacterium B) Staphylococcus
C) Streptococcus D) Pseudomonas



238. The interstitial component of body water accounts for about the following percentage of body weight
A) 5 B) 15 C) 25 D) 75
239. Lasik is the refractive surgery in which the laser used is
A) Yag B) Diode C) Excimer D) None
240. Kayser-Fleischer rings are seen in
A) Wilson disease B) Parkinson disease
C) Alzheimer disease D) Multiple sclerosis
241. The most common complication after supracondylar fracture humerus is
A) Cubitus varus B) Cubitus valgus
C) Median nerve injury D) Ulnar nerve injury
242. Brodie's abscess is a terminology for
A) Subungual infection B) Chronic osteomyelitis
C) Web space infection D) Infected hematoma
243. The muscle affected in congenital torticollis is
A) Trapezius B) Rhomboideus Major
C) Rhomboideus Minor D) Sternocleidomastoid
244. Chauffeur's fracture involves the
A) Radial head B) Radial styloid
C) Ulnar styloid D) Base of I Metacarpal
245. Least helpful for the diagnosis of spondylolisthesis is
A) Lateral X-ray of spine B) AP X-ray of spine
C) MRI D) CT
246. 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
247. 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
248. "Chain of lakes" is seen on ERCP in
A) Chronic pancreatitis B) Pancreatic divisum
C) Ileocecal TB D) Ca. head of pancreas



249. 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
250. 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
251. Which of the following is elevated in hypothalamic tissue during fever ?
A) Estrogen
B) Prostaglandin E₂
C) Prostaglandin E₁
D) Gonadotropin
252. Which of the following condition is diagnosed by Bronchodilator reversibility test ?
A) Chronic Bronchitis
B) Bronchial asthma
C) Emphysema
D) Interstitial lung disease
253. Which of the following condition has greater risk of sudden death ?
A) Dilated cardiomyopathy
B) Hypertrophic cardiomyopathy
C) Aortic incompetence
D) Restrictive cardiomyopathy
254. 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%
255. 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
256. Which of the following is a proto-oncogene ?
A) Myc
B) BCL₂
C) BRCA1
D) RB
257. Which vitamin influences tissue repair ?
A) Vitamin A
B) Vitamin B
C) Vitamin C
D) Vitamin D
258. HLA B27 is NOT seen in
A) SLE
B) Ankylosing Spondylitis
C) Reiter's Syndrome
D) Psoriatic Arthritis
259. 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



260. Marker for Langerhans cell histiocytosis is
A) CD 5 B) CD 22 C) CD 1a D) CD 30
261. The major stimulus for receptive relaxation of stomach is
A) Food entry in stomach B) Food entry in intestine
C) Secretin D) Cholecystokinin
262. Which of following substance is actively secreted in Renal tubules ?
A) Amino acid B) Chloride
C) Glucose D) Potassium
263. 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
264. 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
265. 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
266. 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
267. 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
268. Premature fusion of coronal, sphenofrontal and frontoethmoidal sutures is seen in
A) Turricephaly B) Dolicocephaly
C) Plagiocephaly D) Trigoncephaly
269. 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
270. In boys which is the first visible sign of puberty ?
A) Testicular enlargement B) Penile growth
C) Breast hypertrophy D) Dark scrotum



271. 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
272. Ochsner-Sherren regime is used in management of
A) appendicular abscess B) chronic appendicitis
C) appendicular mass D) acute appendicitis
273. The commonest clinical pattern of basal cell carcinoma is
A) nodular B) morphea form
C) superficial D) keratotic
274. Pressure sores occur most commonly in
A) Ischium B) Sacrum C) Heel D) Occiput
275. Stensen's duct is the duct of
A) parotid gland B) submandibular salivary gland
C) sublingular salivary gland D) minor salivary gland
276. The clinical goal of "cholesterol / HDL ratio" recommended for CHD prevention is
A) < 3.5 B) < 2.5 C) < 10.5 D) < 1.5
277. 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
278. 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
279. In 'Milestones of Development' 'Listening' refers to which type of development ?
A) Motor B) Language
C) Adaptive D) Sociopersonal
280. Which of the following diseases is transmitted by mansonoides mosquitoes ?
A) Japanese Encephalitis B) West Nile Fever
C) Rift Valley Fever D) Chikungunya Fever



281. Posthepatic Portal Hypertension is caused by
A) Portal vein thrombosis B) Banti Syndrome
C) Budd-Chiari Syndrome D) Congenital hepatic fibrosis
282. 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
283. In Acute myocardial infarction following are used EXCEPT
A) Platelet Inhibitors B) Fibrinolytics
C) Antithrombin D) Plasminogen activator Inhibitors
284. Most specific autoantibodies found in Systemic Lupus Erythematosus are
A) Anti-RO B) Anti-SM C) Anti-RNP D) Anti-DSDNA
285. Hepatitis E virus belongs to
A) Hepadna virus group B) Flavivirus group
C) Calici virus group D) Enterovirus group
286. 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
287. Monochorionic-Monoamniotic twin occurs if division occurs
A) < 24 hrs B) 1-4 days C) 4-8 days D) > 8 days
288. All of the following are contraindicated during pregnancy EXCEPT
A) Measles Vaccine B) Mumps Vaccine
C) HPV Vaccine D) Rabies Vaccine
289. In pregnancy, secretion of colostrum starts at
A) 12 weeks B) 24 weeks C) 30 weeks D) 36 weeks
290. The root value of Pudendal nerve is
A) L₅S₁S₂ B) S₁S₂S₃ C) S₂S₃S₄ D) S₃S₄S₅



291. 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
292. Commonest cause of “Wrist Drop” is
A) Intramuscular injection B) Fracture Humerus
C) Dislocation of elbow D) Dislocation of shoulder
293. Occult fracture of neck femur is best diagnosed by
A) C.T. Scan B) Bone scan
C) MRI D) None of the above
294. “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
295. Diaphyseal aclasis is aetiologically
A) Congenital B) Developmental
C) Metabolic D) Inflammatory
296. The blotting technique used for the analysis of RNA is called :
A) Southern blotting B) Northern blotting
C) Western blotting D) Genetic engineering
297. The vector for Chaga’s disease is
A) Tsetse fly B) Reduviid bug
C) Sandfly D) Anopheles mosquito
298. Castaneda method of blood culture is usually used for diagnosis of :
A) Lobar pneumonia B) Toxic shock syndrome
C) Relapsing fever D) Brucellosis
299. Actinomyces israelii has following feature
A) Exogenous infection B) Thick, branching filaments
C) Anaerobic D) Black granules
300. Casoni’s skin test for E. granulosis is an example of
A) Delayed hypersensitivity B) Immediate hypersensitivity
C) Serum sickness D) Type II hypersensitivity



SPACE FOR ROUGH WORK