

## QUESTION BOOKLET

Question Booklet Version		
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Roll No.					
Answer Sheet No.					

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

**Day and Date : Sunday, 24<sup>th</sup> January, 2016**  
**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 Roll No. and Answer Sheet No. have been correctly written and verified.

*Candidate's Signature*

*Invigilator's Signature*

### Instructions to Candidates

- The Question Booklet has one seal sticker. Examinee should open the seal at 10.00 a.m.**
- This question booklet contains 300 Objective Type Questions (Single Best Response Type MCQ) in the subjects of MBBS.
- The **Question Paper** and **OMR (Optical Mark Reader) Answer Sheets** are issued to examinees separately at the beginning of the examination session.
- Choice and sequence for attempting questions will be as per the convenience of the candidate.
- 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 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.**
- 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.
- 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.
- 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.
- 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.
- 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.**
- 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.**
- No candidate is allowed to leave the examination hall till the examination session is over.

P.T.O.



**(DO NOT WRITE HERE)**

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**SPACE FOR ROUGH WORK**



1. Between tooth and its socket, which type of joint is present ?  
A) Syndesmosis    B) Gomphosis    C) Suture    D) Cartilagenous
2. Resorption of bone is function of  
A) Osteo-progenitor cells    B) Osteoclasts  
C) Osteoblasts    D) Osteocytes
3. Which component of the placental barrier secretes Human Chorionic Gonadotropin hormone (HCG) ?  
A) Syncytiotrophoblast    B) Cytotrophoblast  
C) Extra Embryonic Mesoderm    D) Endothelium of foetal capillary
4. The nerve supplying the teres minor muscle is  
A) Suprascapular    B) Axillary  
C) Dorsal scapular    D) Radial
5. The ligament that supports the medial longitudinal arch of the foot is  
A) Deltoid    B) Plantar calcaneo navicular  
C) Interosseous Talocalcaneal    D) Short plantar
6. The vein lying in the right atrio-ventricular groove is  
A) Right marginal    B) Great cardiac  
C) Middle cardiac    D) Small cardiac
7. Kupffer cells are present in  
A) Kidney    B) Liver    C) Pancreas    D) Spleen
8. The lymph nodes draining the lymph from testes are  
A) Superficial Inguinal    B) Deep Inguinal  
C) Internal Iliac    D) Para Aortic
9. Aldosterone hormone is secreted by the cells of \_\_\_\_\_  
A) Zona reticularis    B) Zona glomerulosa  
C) Zona fasciculata    D) Suprarenal medulla
10. Anterior belly of diaphragm develops from which pharyngeal arch ?  
A) First    B) Second    C) Third    D) Fourth
11. Skin of the lower one-third of the auricle is supplied by the nerve \_\_\_\_\_  
A) Lesser occipital    B) Greater occipital  
C) Great auricular    D) Auriculotemporal
12. The nerve carrying taste sensation from the circumvallate papillae is \_\_\_\_\_  
A) Lingual    B) Chorda tympani  
C) Glossopharyngeal    D) Hypoglossal



13. The layer of the scalp that is known as 'dangerous area of scalp' is  
A) Dense Connective Tissue      B) Epicranial Aponeurosis  
C) Loose Areolar Tissue      D) Pericranium
14. Which nucleus lies underneath facial colliculus in the floor of fourth ventricle ?  
A) Trochlear      B) Abducent      C) Hypoglossal      D) Facial
15. Amacrine cells are found in  
A) Cerebral cortex      B) Organ of corti  
C) Spinal ganglion      D) Retina
16. The peripheral proteins attached to the integral proteins function almost entirely as  
A) Channels      B) Carriers      C) Enzymes      D) Receptors
17. Poiseuille's law is  
A)  $F = (P_A - P_B) \frac{\pi r^4}{8 nL}$       B)  $F = (P_A \times P_B) \frac{\pi r^4}{8 nL}$   
C)  $F = (P_A + P_B) \frac{\pi r^4}{8 nL}$       D)  $F = \left( \frac{P_A}{P_B} \right) \frac{\pi r^4}{8 nL}$
18. Which of the following organs has the greatest blood flow per 100 gm of tissue per minute ?  
A) Brain      B) Heart muscle  
C) Liver      D) Kidneys
19. Atrioventricular nodal delay is  
A) 0.2 second      B) 0.1 second      C) 0.01 second      D) 0.3 second
20. Abnormal color vision is 20 times more common in men than women because most cases are caused by an abnormal :-  
A) Dominant gene on Y chromosome  
B) Recessive gene on Y chromosome  
C) Dominant gene on X chromosome  
D) Recessive gene on X chromosome
21. Iodide is transported into the lumen of the Thyroid follicles by a sodium-independent iodide transporter called \_\_\_\_\_  
A) Gephyrin      B) Titin      C) Dynamin      D) Pendrin
22. Vitamin K is required for the synthesis of all of the following clotting factors EXCEPT \_\_\_\_\_  
A) Factor II      B) Factor VII      C) Factor IX      D) Factor XI



23. During normal quiet breathing maximum work is \_\_\_\_\_  
A) Airway resistance work                      B) Compliance or elastic work  
C) Tissue resistance work                      D) Work to cause expiration
24. Type of nerve fibers most susceptible to produce conduction block by hypoxia are :-  
A) B                      B) A alfa                      C) A delta                      D) C
25. Muscle weakness in Myasthenia Gravis may improve by all of the following EXCEPT:  
A) Administration of cholinesterase inhibitors  
B) Administration of cholinesterase  
C) Administration of immunosuppressive drugs  
D) Thymectomy
26. Full development and function of seminiferous tubules require :  
A) Somatostatin  
B) Androgens and Follicle Stimulating Hormone  
C) Oxytocin  
D) Leutinizing hormone
27. Which of the following will inhibit gastrin secretion ?  
A) Peptides and Amino acids                      B) Gastric distention  
C) Epinephrine                      D) Secretin
28. Prosopagnosia is the inability to  
A) Name the objects                      B) Recognize faces  
C) Read                      D) Write
29. The center for circadian rhythms in humans lies in the hypothalamus in  
A) Pre-optic nucleus                      B) Supra-optic nucleus  
C) Supra-chiasmatic nucleus                      D) Arcuate nucleus
30. Dehydration increases plasma concentration of all the following hormones EXCEPT :  
A) Vasopressin                      B) Aldosterone  
C) Atrial Natriuretic Peptide                      D) Norepinephrine
31. The glycosaminoglycan that is responsible for transparency of cornea is  
A) Dermatan sulphate                      B) Keratan sulphate  
C) Chondroitin sulphate                      D) Heparan sulphate
32. Percentage of polyunsaturated fatty acids is maximum in  
A) Palm oil                      B) Muster oil                      C) Coconut oil                      D) Sunflower oil



33. Earliest marker of myocardial infarction is  
A) CK-MB (creatine kinase – MB)    B) Alanine Transaminase  
C) LDH (Lactate Dehydrogenase)    D) Aspartate Transaminase
34. Branched chain keto acids are excreted in urine in  
A) Maple syrup urine disease            B) Hartnup disease  
C) Albinism                                    D) Alkaptonuria
35. The enzyme required for degradation of Glycogen is  
A) Hexokinase                                B) Aldolase  
C) Phosphorylase                            D) Glucose-6-phosphate dehydrogenase
36. The neurotransmitter formed by decarboxylation of glutamic acid is  
A) Serotonin                                 B) Para amino benzoic acid  
C) Gama-amino butyric acid            D) Histamine
37. Gaucher's disease produced due to the defect in the enzyme  
A)  $\beta$ -glucosidase                            B) Glucokinase  
C) Sphingomyelinase                      D) Glucose-6-phosphate dehydrogenase
38. Nitric oxide is formed from  
A) Histidine            B) Arginine            C) Tryptophan            D) Tyrosine
39. Which of the following is inhibitor of complex III of electron transport chain ?  
A) Cyanide            B) Amobarbital    C) Malonate            D) Dimercaprol
40. The mineral present in gusten which is important for taste sensation is  
A) Copper            B) Manganese    C) Zinc                    D) Molybdenum
41. Which of the following vitamin requires intrinsic factor for its absorption ?  
A) Pyridoxin            B) Biotin            C) Cobalamin            D) Tocopherol
42. Which of the following causes respiratory acidosis ?  
A) Lactic acidosis                            B) Vomiting  
C) Severe asthma                              D) Hyperventilation
43. Urea is produced by the enzyme  
A) Urease            B) Uricase            C) Arginase            D) Glutaminase
44. The electrolytes such as  $\text{Na}^+$  and  $\text{K}^+$  can be measured by  
A) Flamephotometer  
B) Spectrophotometer  
C) Radioimmunoassay  
D) High Pressure Liquid Chromatography (HPLC)



45. Which of the following function tested by Cockcroft-Gault formula ?  
A) Renal                      B) Liver                      C) Adrenal                      D) Feto-placental
46. All of the following are possible uses of enzyme induction EXCEPT  
A) Chronic poisoning                      B) Congenital nonhemolytic jaundice  
C) Cushing's syndrome                      D) Chronic renal failure
47. Which one of the following is NOT a teratogenic drug ?  
A) Methotrexate                      B) Thalidomide  
C) Amino penicillins                      D) Cyclophosphamide
48. Adverse effects of Prolonged use of combined oral contraceptives include all of the following EXCEPT  
A) Thromboembolism                      B) Hypertension  
C) Osteoporosis                      D) Genital carcinoma
49. Childhood vaccines are administered by all of the following routes EXCEPT  
A) Inhalation                      B) Intra venous                      C) Intra dermal                      D) Percutaneous
50. All the following are the examples of Hit and Run drugs EXCEPT  
A) Reserpine                      B) Omeprazole  
C) Tranylcypromine                      D) Enalapril
51. Guaifenesin is  
A) Mucokinetic expectorant                      B) Mucolytic expectorant  
C) Antitussive                      D) Demulcent
52. All the following drugs are effective in treating Paget's Disease EXCEPT  
A) Bisphosphonate                      B) Calcitonin  
C) Plicamycin                      D) Sodium EDTA
53. Mifepristone is  
A) Antiestrogen                      B) Antiprogestin  
C) Antiandrogen                      D) Prostaglandin
54. This drug is an inhibitor of renin synthesis, which inhibits the conversion of Angiotensinogen to Angiotensin I  
A) Enalapril                      B) Aliskiren                      C) Diazoxide                      D) Losartan
55. All the following are uterine stimulant EXCEPT  
A) Oxytocin                      B) Ergometrine  
C) Dinoprostone                      D) Magnesium sulphate
56. Zileuton is a  
A) Leukotriene synthesis inhibitor                      B) Leukotriene receptor antagonist  
C) H<sub>1</sub> receptor antagonist                      D) 5 lipooxygenase inhibitor



57. Linezolid is  
A) Oxazolidinones  
B) Quinolones  
C) Macrolides  
D) Lincosamides
58. The insulin preparation for intravenous (IV) administration is  
A) Regular insulin  
B) Lente insulin  
C) Ultralente insulin  
D) Isophane insulin
59. One of the following is NOT a Proton Pump Inhibitor  
A) Lansoprazole  
B) Esomeprazole  
C) Ornidazole  
D) Rabeprazole
60. The lowest concentration of antimicrobial which prevent visible growth of bacterium is called as  
A) Maximum Inhibitory Concentration  
B) Maximum Bactericidal Concentration  
C) Minimum Inhibitory Concentration  
D) Minimum Bactericidal Concentration
61. Ketamine is contraindicated in all the following clinical conditions EXCEPT  
A) Hypertension  
B) Ischemic Heart Disease  
C) Hypovolumic shock  
D) Epilepsy
62. Following drugs needs to measure plasma concentration in order to correlate with the clinical effects EXCEPT  
A) Carbamazepine  
B) Theophylline  
C) Heparin  
D) Gentamicin
63. Which of the following antipsychotics is less likely to induce weight gain ?  
A) Olanzapine  
B) Chlorpromazine  
C) Clozapine  
D) Ziprasidone
64. Magaldrate is used as  
A) H<sub>2</sub> receptor blocker  
B) Anticholinergic  
C) Non Systemic Antacid  
D) Prostaglandin analogue
65. Which one of the following receptors are blocked by Losartan ?  
A) AT1  
B) AT2  
C) AT1 and AT2  
D) P2
66. Wound contraction is mediated by  
A) Collagen  
B) Elastin  
C) Myofibroblasts  
D) Granulation tissue
67. Which of the following genes is growth promoting marker for oncogenesis ?  
A) Rb gene  
B) ras gene  
C) p53 gene  
D) BRCA 1 gene





68. In amyloidosis, Beta pleated sheet will be seen in  
A) Congo red stain                      B) Electron microscope  
C) Spiral electron microscope        D) X-ray crystallography
69. Speckled pattern of immunofluorescence is seen in  
A) Anti-histone antibody                B) Anti-ds DNA antibody  
C) Anti-Sm antibody                      D) Anti-chromatin antibody
70. BRCA 1 gene is located on which chromosome ?  
A) Eleven                      B) Thirteen                      C) Seventeen                      D) Twenty two
71. Distinctive triad of interstitial keratitis, Hutchinson teeth and eighth nerve deafness is manifestation of  
A) Primary syphilis                      B) Secondary syphilis  
C) Tertiary syphilis                      D) Congenital syphilis
72. Non-caseating granulomas with presence of acid fast bacilli in macrophages are seen in  
A) Leprosy                                      B) Syphilis  
C) Cat scratch disease                      D) Sarcoidosis
73. Kaposi's sarcoma is caused by which Human Herpes Virus (HHV) ?  
A) HHV – 1                      B) HHV – 4                      C) HHV – 8                      D) HHV – 16
74. The structural abnormality of chromosome in which one arm is lost and remaining arm is duplicated is called  
A) Ring chromosome                      B) Isochromosome  
C) Translocation                              D) Mutation
75. Subepithelial cambium layer is seen in  
A) Chondrosarcoma                              B) Osteogenic sarcoma  
C) Rhabdomyosarcoma                              D) Fibrosarcoma
76. A 30 year old lady, asymptomatic, not requiring blood transfusion, was found to have Hb 13 gm/dl, HbF 95%, Hb A<sub>2</sub> 2.5%. The most likely diagnosis is :  
A) Thalassemia trait  
B) Thalassemia intermedia  
C) Thalassemia major  
D) Hereditary persistence of foetal hemoglobin
77. The obstruction of two or more major hepatic veins is seen in  
A) Budd-Chiari syndrome                      B) Reye's syndrome  
C) Rotor syndrome                              D) Crigler-Najjar syndrome



78. Destruction of fat in acute pancreatitis is due to  
 A) Lipase and trypsin                              B) Secretin  
 C) Lipase and elastase                             D) Cholecystokinin and trypsin
79. An undifferentiated malignant tumor on immuno-histochemical stain shows cytoplasmic positivity of most of the tumor cells for cytokeratin. The most probable diagnosis of the tumor is  
 A) Lymphoma    B) Carcinoma  
 C) Sarcoma     D) Malignant melanoma
80. Autosplenectomy occurs in  
 A) Thalassemia    B) Sickle cell anaemia  
 C) HbH disease                                         D) Hydrops fetalis
81. In CSF examination, albumino-cytologic dissociation occurs in cases of :  
 A) TB meningitis                                      B) Motor neuron disease  
 C) Guillain Barre Syndrome                        D) Demyelinating disorder
82. Munro's microabscesses characteristically occurs in  
 A) Psoriasis    B) Lichen planus  
 C) Impetigo    D) Lupus vulgaris
83. All the following tumors usually show psammoma bodies EXCEPT  
 A) Papillary carcinoma of thyroid    B) Meningioma  
 C) Serous tumors of ovary                        D) Hepato cellular carcinoma
84. Medulloblastoma exclusively occurs in the  
 A) Medulla    B) Cerebellum  
 C) Cerebral hemispheres                         D) Spinal cord
85. Kimmelstiel-Wilson lesion occurs in  
 A) Diabetes    B) Hypertension  
 C) Atherosclerosis                                    D) Amyloidosis
86. L&H variants of the Reed-Sternberg cells are positive for  
 A) CD 20                              B) CD 15                              C) CD 30                              D) EBV
87. Which of the following ovarian tumour is of surface epithelial origin ?  
 A) Brenner tumour                                    B) Yolk sac tumour  
 C) Dysgerminoma                                    D) Granulosa cell tumour
88. Polyp associated with highest risk of malignant transformation is  
 A) Juvenile polyp                                     B) Villous adenoma  
 C) Tubular adenoma                                 D) Polyp of Peutz-Jeghers syndrome



89. Finding on histopathological examination of liver in case of malaria is  
A) Non caseating granuloma  
B) Non specific finding of neutrophilic infiltration  
C) Microabscess formation  
D) Kupffer cell hyperplasia with periportal infiltration by pigment laden macrophages
90. The metabolite excreted in the urine in carcinoid syndrome is  
A) Vinyl Mandelic Acid (VMA)  
B) 17-ketosteroid  
C) Histamine  
D) 5-Hydroxy Indole Acetic Acid (5-HIAA)
91. The best method of sterilisation of glasswares is by  
A) Hot air oven  
B) Tyndallisation  
C) Autoclave  
D) Boiling
92. In which process a 'male' bacterium mates with 'female' bacterium to transfer genetic material ?  
A) Transformation  
B) Transduction  
C) Lysogenic Conversion  
D) Conjugation
93. Drug of choice for severe systemic infections caused by MRSA is  
A) Cloxacillin  
B) Vancomycin  
C) Ceftazidime  
D) Metronidazole
94. Apart from dental caries, streptococcus mutans can cause  
A) Endocarditis  
B) Food poisoning  
C) Urinary tract infection  
D) Pharyngitis
95. Special stain for visualising corynebacterium diphtheriae is  
A) India Ink  
B) Gram Stain  
C) Albert Stain  
D) Fontana's Stain
96. Lepromin test is NOT suitable for  
A) Classification of lesions  
B) Assessing prognosis  
C) Diagnosis  
D) Assessing resistance to leprosy
97. Diplopia, dysphagia and dysarthria are features of food poisoning due to  
A) Clostridium botulinum  
B) Bacillus cereus  
C) Vibrio parahaemolyticus  
D) Campylobacter jejuni
98. H influenzae causes which of the following disease in young children ?  
A) Influenza  
B) Sore throat  
C) Diarrhoea  
D) Meningitis



99. Mice is used for laboratory diagnosis of all the following infections EXCEPT
- A) Leptospirosis
  - B) Cryptococcosis
  - C) Tetanus
  - D) Rabies
100. Scrub typhus is transmitted by the bite of
- A) Sand fly
  - B) Trombiculid mite
  - C) Body louse
  - D) Hard tick
101. Isohaemagglutinins and natural antibodies to micro-organisms are usually of type :
- A) IgG
  - B) IgM
  - C) IgA
  - D) IgD
102. "Hereditary angioneurotic oedema" is due to deficiency of
- A) C1 inhibitor
  - B) S protein
  - C) C3b inactivator
  - D) C2 kinins
103. Which of the following is NOT a subcutaneous mycosis ?
- A) Chromomycosis
  - B) Sporotrichosis
  - C) Dermatophytosis
  - D) Rhinosporidiosis
104. Which of the following is a thermally dimorphic fungus ?
- A) Histoplasma capsulatum
  - B) Candida albicans
  - C) Cryptococcus neoformans
  - D) Aspergillus fumigatus
105. Diarrhoea causing Adenoviruses belong to
- A) Serotype 1 – 7
  - B) Serotype 11 & 12
  - C) Serotype 8 & 19
  - D) Serotype 40, 41
106. Subacute sclerosing panencephalitis is a late neurological complication associated with infection due to
- A) Measles virus
  - B) Mumps virus
  - C) Rubella virus
  - D) Parainfluenza virus
107. To demonstrate viral antigen in facial skin biopsy for ante-mortem diagnosis of rabies, which technique is used ?
- A) Polymerase chain reaction
  - B) Direct immunofluorescence
  - C) ELISA
  - D) Seller's technique
108. Which of the following viral infection is transmitted by ticks ?
- A) Japanese Encephalitis
  - B) Kyasanur Forest Disease
  - C) Dengue
  - D) Yellow Fever
109. Risk of transplacental transmission of Toxoplasma gondii is maximum when mother is infected
- A) Prior to conception
  - B) During first trimester
  - C) During second trimester
  - D) During third trimester



110. Larva currens is the pathognomonic cutaneous manifestation of parasitic infection due to  
A) Strongyloides stercoralis                      B) Toxocara Canis  
C) Ancylostoma duodenale                      D) Angiostrongylus cantonensis
111. After what age a person can give consent to an act not intended and not known to be likely to cause death or grievous hurt ?  
A) 12 years                      B) 15 years                      C) 18 years                      D) 21 years
112. The electrical burn at the point of entry is called as  
A) Endogenous burns                      B) Arborescent burns  
C) Spark burns                      D) Filigree burns
113. Uscharin a toxic principle is present in which poisonous plant ?  
A) Croton tiglium                      B) Ricinus communis  
C) Calatropis gigantea                      D) Abrus precatorius
114. Regarding 'Davidson body', all are correct EXCEPT  
A) Present in males                      B) Present in neutrophils  
C) Present in 4 – 6 % of cells                      D) Drumstick appearance
115. The presence of vaginal tissue on the glans can be demonstrated by cleaning the part with a filter paper and exposing it to  
A) Potassium Iodide                      B) Lugol's Iodine  
C) Osmic Acid                      D) Picric Acid
116. McNanghten's Rule is concerned with  
A) Restraint of mentally ill  
B) Civil responsibility of mentally ill  
C) Criminal responsibility of mentally ill  
D) Mental Health Act
117. Presence of skin blister is suggestive of poisoning by  
A) Arsenic                      B) Barbiturates                      C) Cocaine                      D) Datura
118. Chief Judicial Magistrate can give sentence a guilty for Imprisonment upto  
A) 3 years                      B) 5 years  
C) 7 years                      D) Life Imprisonment
119. In Blast injury, most commonly affected is  
A) Tympanic membrane                      B) Stomach  
C) Spleen                      D) Liver
120. In India, a child is considered viable after \_\_\_\_\_ days of intrauterine life.  
A) 150                      B) 210                      C) 280                      D) 160



121. Pseudohypoparathyroidism is characterised by
- A) Normal serum  $\text{Ca}^{++}$  and Decreased serum PTH (Para Thyroid Hormone)
  - B) Decreased serum  $\text{Ca}^{++}$  and Decreased serum PTH (Para Thyroid Hormone)
  - C) Decreased serum  $\text{Ca}^{++}$  and Increased serum PTH (Para Thyroid Hormone)
  - D) Normal serum  $\text{Ca}^{++}$  and Increased serum PTH (Para Thyroid Hormone)
122. The cardiomyopathy associated with stress is :
- A) Idiopathic dilated cardiomyopathy
  - B) Takotsubo cardiomyopathy
  - C) Hypertrophic cardiomyopathy
  - D) Restrictive cardiomyopathy
123. Lennox Gastaut Syndrome is characterised by :
- A) Single seizure types
  - B) Good prognosis and adequate controlled epilepsy
  - C) Impaired cognitive function in all cases
  - D) EEG showing slow ( $< 3\text{Hz}$ ) spike and wave discharge
124. Clinical triad of normal pressure hydrocephalus includes abnormal gait, dementia and
- A) Rigidity
  - B) Urinary incontinence
  - C) Delusion
  - D) Behavioral disturbance
125. 20 year male with bilateral loin pain and frank hematuria developing 24 hours after a sore throat. BP = 138/88 mm Hg urinalysis : Blood = (4+) and Proteins = (2+) most likely diagnosis is :
- A) IgA Nephropathy
  - B) Microscopic polyangitis
  - C) Nephrolithiasis
  - D) Post streptococcal glomerulonephritis
126. The “ESCHAR” formation is classically seen in patient’s suffering from
- A) Weil’s disease
  - B) Murine typhus
  - C) Cutaneous leishmaniasis
  - D) Scrub typhus
127. Sodium-Glucose co-transporter 2 inhibitor now used in treatment of type 2 diabetes mellitus is :
- A) Sitagliptin
  - B) Saroglitazar
  - C) Canagliflozin
  - D) Bedaquiline
128. Gold standard to diagnose pulmonary embolism is
- A) Chest X-ray
  - B) Pulmonary Angiography
  - C) Ventilation Perfusion Scintiscan
  - D) CT Chest



129. Pathergy test is specific for  
A) Caplans syndrome                      B) Sjogrens syndrome  
C) Behcets syndrome                      D) Feltys syndrome
130. Telescopic finger occurs in :  
A) Rheumatoid arthritis                      B) Ankylosing spondylitis  
C) Psoriatic arthritis                      D) Reiter's arthritis
131. In contrast associated Acute Kidney Injury the serum creatinine levels usually peaks within :  
A) 12 Hours              B) 24 Hours              C) 3 to 5 days              D) 7 days
132. The most common identified organism in traveller's diarrhoea is :-  
A) Salmonella                      B) Shigella  
C) E. coli                      D) Campylobacter
133. Lenalidomide is specifically effective in reversing anemia in which subtype of myelodysplastic syndrome ?  
A) 5q-syndrome    B) Trisomy 5              C) 8q deletion              D) Trisomy 8
134. The treatment of choice for familial mediterranean fever (FMF) is  
A) Glucocorticoids  
B) Colchicine  
C) NSAIDS (Non Steroidal Anti Inflammatory Drugs)  
D) TNF Inhibitors (Tumor Necrosis Factor Inhibitors)
135. Which of the following is NOT commonly seen in polycythemia vera ?  
A) Thrombosis                      B) Hyperuricemia  
C) Prone for Acute Leukemia              D) Spontaneous severe infection
136. In Chronic Hepatitis B (HBV) infection presence of HBeAg (Hepatitis B e antigen) suggests which of the following :-  
A) Ongoing viral replication              B) Resolving infection  
C) Development of cirrhosis              D) Development of Hepatoma
137. The characteristic "Egg shell" calcification of hilar lymph nodes is seen in radiograph of patients of :-  
A) Asbestosis              B) Silicosis              C) Farmer's lung              D) Byssinosis
138. The Beck's triad of cardiac tamponade is characterised by all of following signs EXCEPT :-  
A) Hypotension  
B) Soft Heart Sounds  
C) Absent Y-descent in JVP (Jugular Venous Pressure)  
D) Absent X-descent in JVP (Jugular Venous Pressure)



139. Causes of fasting Hypoglycemia are all of the following EXCEPT
- A) Excess Glucagon                      B) Nesidioblastosis  
C) Renal Failure                          D) Cardial failure
140. The most common type of “Motor Neurone Disease” is :-
- A) Amyotrophic lateral sclerosis  
B) Primary lateral sclerosis  
C) Bulbar involvement  
D) Multifocal motor neuropathy with conduction blocks
141. A women with pre-eclampsia comes with Blood pressure of 160/110 mm of Hg. The treatment of choice to lower the blood pressure is
- A) Intravenous Nitroglycerine  
B) Sublingual Amlodipine  
C) Intravenous Magnesium Sulphate  
D) Intravenous Labetalol
142. The anti-emetic action of ondansetron is as
- A) Dopamine D<sub>2</sub> antagonist              B) Serotonin antagonist  
C) 5 HT<sub>3</sub> receptor antagonist          D) 5 HT<sub>4</sub> antagonist
143. Rose spot is associated with :
- A) Typhoid fever                          B) Malaria  
C) Scarlet fever                          D) Wilson disease
144. Different mutations in the same genetic locus causing similar or identical phenotype is
- A) Phenotypic heterogeneity              B) Allelic heterogeneity  
C) Locus heterogeneity                  D) Non-allelic heterogeneity
145. The vast majority of obese persons have increased levels of which of the following ?
- A) Adeponectin    B) Leptin              C) Ghrelin              D) Cortisol
146. Amiodarone can decrease the clearance and increase toxicity of
- A) Dabigatran                              B) Digoxin  
C) Methotrexate                          D) Cyclosporin
147. “Osborn waves” in ECG are characteristically seen in patients of :-
- A) Digitalis toxicity                      B) Hypocalcemia  
C) Hyperkalemia                          D) Hypothermia





148. One and half syndrome occurs due to lesion of
- A) Medial longitudinal fasciculus and abducens nucleus on the same side
  - B) Posterior commissure and abducens nucleus of opposite side
  - C) Interstitial nucleus of cajal and abducens nucleus of same side
  - D) Medial longitudinal fasciculus and abducens nucleus on the opposite side
149. Which of the following feature differentiates Idiopathic hypereosinophilic syndrome from eosinophilia-myalgia syndrome ?
- A) IL-5 is the dominant eosinophil growth factor
  - B) Eosinophil count is 50,000 – 1,00,000/ $\mu$ L
  - C) Organ dysfunction includes heart and CNS
  - D) It has a chronic course
150. The following should be used initially to manage severe hypercalcemia
- A) Biphosphonates and Thiazides
  - B) Glucocorticoids and Saline
  - C) Saline and Loop Diuretics after volume status has been restored to normal
  - D) Intravenous phosphates and Chlorthalidone
151. Boys over 16 years of age who are too difficult to be handled in a certified school or have misbehaved they are sent to a \_\_\_\_\_
- A) Foster home
  - B) Orphanage
  - C) Borstal
  - D) Remand home
152. Second Wednesday of October every year has been designated as ‘World \_\_\_\_\_ Day’.
- A) Health
  - B) Disaster reduction
  - C) Cancer
  - D) Tuberculosis
153. Which of the following indices of obesity is height independent ?
- A) Quetelet’s index
  - B) Ponderal index
  - C) Broca index
  - D) Corpulence index
154. Statistical way of presenting trend of events with passage of time is
- A) Bar chart
  - B) Line diagram
  - C) Pie chart
  - D) Pictogram
155. Global Hunger Index (GHI) combines all of the following indicators EXCEPT
- A) Child underweight
  - B) Proportion of undernourished population
  - C) Child mortality
  - D) Per capita GNP
156. The recommended daily intake of vitamin A (Retinol) during lactation is \_\_\_\_\_mcg.
- A) 600
  - B) 650
  - C) 900
  - D) 950



157. The twelfth five year plan 2012-2017 stresses on long term objective of establishing  
A) Universal health coverage      B) Rural health scheme  
C) Integrated health services      D) Indigenous medical scheme
158. Type of artificial lighting system where 10 – 40% of the light is projected upwards so that it is reflected back on the object by the ceiling is called as \_\_\_\_\_ lighting.  
A) Semidirect      B) Indirect      C) Semi indirect      D) Direct indirect
159. World population is expected to reach 8 billion by \_\_\_\_\_  
A) 2025      B) 2020      C) 2015      D) 2030
160. The International agency assisting poorer nations in the development of human and natural resources is –  
A) UNICEF      B) UNDP      C) UNFPA      D) USAID
161. Which of the following varieties of asbestos is associated with mesothelioma of pleura ?  
A) Chrysotile      B) Amosite      C) Crocidolite      D) Anthrophyllite
162. Method of health communication in which 4 to 8 qualified experts talk about a topic in front of a large group or audience is \_\_\_\_\_  
A) Group discussion      B) Symposium  
C) Workshop      D) Panel discussion
163. As per Census 2011, density of population in India is \_\_\_\_\_ per sq.km.  
A) 216      B) 325      C) 382      D) 402
164. For calculating predictive value of a positive test (of a screening test), the denominator comprises of \_\_\_\_\_  
A) True positives and false negatives  
B) True positives and false positives  
C) True positives and true negatives  
D) True negatives and false positives
165. All of the following are major mental illnesses EXCEPT  
A) Schizophrenia      B) Manic depressive psychosis  
C) Paranoia      D) Psychoneurosis
166. Resistance to more than one first line anti Tuberculosis drug (other than both isoniazid and rifampicin) is called as \_\_\_\_\_  
A) Polydrug resistance      B) Multidrug resistance  
C) Extensive drug resistance      D) Monoresistance



167. Goal 5 of 'Millennium Development Goals' is related to –  
A) Maternal health                      B) Child health  
C) Poverty                                  D) Environment
168. To provide immediate care to all newborns at birth, a health facility must have within its delivery room  
A) Newborn care corner                      B) Newborn stabilization unit  
C) Special newborn care unit              D) Home based newborn care unit
169. For chi-square test, the degree of freedom for a contingency table with 5 rows and 4 columns is  
A) 9                      B) 12                      C) 16                      D) 20
170. Rodents are implicated in the transmission of  
A) Oraya fever                                  B) West Nile fever  
C) Relapsing fever                              D) Lassa fever
171. ICMR expert group suggested an intake of one gram of protein per kg of body weight for adult males and females, assuming a net protein utilization of \_\_\_\_\_  
A) 100                      B) 65                      C) 80                      D) 25
172. At what point of time is the population of an area assessed for calculation of the crude death rate ?  
A) 1<sup>st</sup> January      B) 1<sup>st</sup> June              C) 1<sup>st</sup> July              D) 1<sup>st</sup> December
173. Oseltamivir prophylaxis for household contacts of H<sub>1</sub>N<sub>1</sub> positive case is an example of  
A) Health promotion                          B) Specific protection  
C) Early diagnosis and treatment          D) Disability limitation
174. Primary vector for transmission of malaria in urban and industrial areas of India is  
A) An. culicifacies                              B) An. stephensi  
C) An. fluviatilis                                D) An. minimus
175. Which of the following diseases/disorders is NOT transmitted as a recessive sex linked trait ?  
A) Haemophilia                                  B) Cystic fibrosis  
C) G6PD deficiency                              D) Retinitis pigmentosa



176. The cardiac output is high in following type of shock  
A) Hypovolemic shock                      B) Cardiogenic shock  
C) Distributive shock                      D) Obstructive shock
177. In CEAP (Clinical-Etiology-Anatomy-Pathophysiology) classification for chronic venous disorders C0 stands for  
A) No signs of venous disease              B) Reticular veins  
C) Varicose veins                              D) Oedema
178. The most appropriate treatment of facial nerve injury in lateral facial wound is  
A) Secondary repair                              B) Primary repair  
C) Secondary repair with grafting      D) Healing with secondary intention
179. In children with burns maintenance intra venous fluid normally given is  
A) Ringer's Lactate                              B) 5% Dextrose  
C) Normal saline                                D) Dextrose saline
180. Squamous Cell Carcinoma in the oral cavity and lips tend to metastasize to lymph nodes at which levels  
A) I, II, III    B) I, II, VI  
C) III, IV, V                                        D) I, II, Retropharyngeal nodes
181. What percent of submandibular salivary gland stones are radio-opaque ?  
A) 10%    B) 70%    C) 80%    D) 90%
182. A 53 yrs. old female with multinodular goitre underwent Radioisotope scan, whose report shows warm nodules. Her chances of warm nodules being malignant is  
A) 5%    B) 10%    C) 15%    D) 20%
183. Following condition has no increased risk of invasive breast carcinoma EXCEPT  
A) Hyperplasia atypical                        B) Sclerosing adenosis  
C) Apocrine metaplasia                        D) Duct ectasia
184. A patient with head injury opens eye to painful stimulus, uses inappropriate words, localizes pain. What is his Glasgow Coma Score (GCS) ?  
A) 8    B) 9    C) 10    D) 11
185. The 'Chain of lakes' finding on ERCP is suggestive of  
A) Necrotising pancreatitis  
B) Acute pancreatitis  
C) Multiple Pseudocyst of pancreas  
D) Chronic pancreatitis
186. The length of time for which an organ can be cold stored before transplantation is maximum with  
A) Liver    B) Pancreas    C) Kidney    D) Small intestine



187. Couple be warned that normal contraceptive precautions should continue until the success of the operation is confirmed by semen analysis performed after vasectomy for sterilisation after
- A) 12 – 16 weeks                      B) 8 – 10 weeks  
C) 4 – 6 weeks                         D) 3 weeks
188. Hinchey classification is used in cases of
- A) Complicated Diverticulitis        B) Complicated Pancreatitis  
C) Complicated Hepatitis            D) Complicated Meningitis
189. The screening for hepato cellular carcinoma in chronic liver disease is
- A) Serial USG and alfa fetoprotein estimation  
B) Serial LFT and alfa fetoprotein estimation  
C) Serial LFT and CT scan  
D) Serial USG and serial LFT
190. Bariatric surgery which results in maximum weight loss
- A) Bilio-Pancreatic Diversion        B) Gastric Sleeve  
C) Gastric Banding                    D) Gastric Bypass
191. A newborn baby present with absent anal orifice and meconuria. What is the most appropriate management ?
- A) Early colostomy  
B) Anterior saggital anorectoplasty  
C) Posterior saggital anorectoplasty  
D) Perinial V-Y plasty
192. The patient falls in high risk group for deep vein thrombosis and pulmonary embolism after
- A) Major burns  
B) Major surgery age < 40 years  
C) Major medical illness/cancer  
D) Major orthopaedic surgery/fracture pelvis
193. The most common mediastinal tumor is
- A) Germ cell tumor                      B) Lymphoma  
C) Thymoma                                D) Neurogenic tumor
194. The Gold standard investigation for Gastro-Oesophageal reflux disease is
- A) Endoscopy                              B) 24 hour pH recording  
C) Oesophageal monimetry            D) Length of lower oesophagel sphincter
195. In majority of patients with sporadic primary hyperparathyroidism have
- A) Single adenoma                        B) Multiple adenoma  
C) Hyperplasia                            D) Carcinoma



196. The most prevalent incidentaloma is  
A) Cushing's adenoma                      B) Pheochromocytoma  
C) Adreno cortical carcinoma            D) Non functioning adenoma
197. Of the following operation performed for duodenal ulcer, the lowest recurrence rate is with  
A) Highly selective vagotomy            B) Selective vagotomy and drainage  
C) Gastroenterostomy alone            D) Truncal vagotomy and enterectomy
198. IRIS or target lesions are seen in  
A) Fixed drug eruption                    B) Angioedema  
C) Urticaria                                    D) Erythema multiforme
199. Bilateral and symmetrical thickening of the peripheral nerves with glove and stocking type of anaesthesia is seen in  
A) Mid borderline leprosy                    B) Histoid leprosy  
C) Primary neuritic leprosy                D) Lepromatous leprosy
200. According to Coomb's and Gel classification, Type I Lepra reaction belongs to  
A) Type I hypersensitivity reaction  
B) Type II hypersensitivity reaction  
C) Type III hypersensitivity reaction  
D) Type IV hypersensitivity reaction
201. KOH mount of skin scraping shows 'spaghetti and meatballs' appearance under microscope in which of the following conditions ?  
A) Dermatophytosis                        B) Candidiasis  
C) Pityriasis versicolor                    D) Tinea Nigra
202. This condition is characterised by maculae ceruleae  
A) Scabies                                      B) Tinea corporis  
C) Pediculosis corporis                    D) Pediculosis capitis
203. Busohke Lowenstein's tumor is  
A) A malignant transformation in plantar wart  
B) Malignant transformation in an anogenital wart  
C) Malignant transformation in common wart  
D) Malignant transformation in a seborrheic wart
204. Acrodermatitis Enteropathica is seen with deficiency of  
A) Zinc                      B) Iron                      C) Copper                      D) Vitamin A
205. The pathognomonic test for CSF in suspected CSF rhinorrhoea is  
A) Glucose concentration                    B) Handkerchief test  
C) Halo sign                                    D) Beta-2 transferrin



206. Young's operation is done for  
A) Allergic rhinitis  
B) Atrophic rhinitis  
C) Vasomotor rhinitis  
D) Idiopathic rhinitis
207. A neonate while suckling milk can respire without difficulty due to  
A) Stout soft palate  
B) High larynx  
C) Small tongue  
D) Small arytenoides
208. In modified radical neck dissection type II structures preserved are :  
A) Spinal accessory nerve + Sternocleidomastoid  
B) Spinal accessory nerve + Internal jugular vein  
C) Sternocleidomastoid + Internal jugular vein  
D) Level I – V lymph nodes + Sternocleidomastoid
209. Floor of middle ear cavity is in relation with :  
A) Internal carotid artery  
B) Round window  
C) Sigmoid sinus  
D) Jugular bulb
210. Keratosis obturans is  
A) Foreign body in ear  
B) Cholesterol crystal with calcium  
C) Desquamated epithelial cells  
D) Wax
211. Paracusis willisii is a feature of  
A) Tympanosclerosis  
B) Presbycusis  
C) Otosclerosis  
D) Meniere's disease
212. Commonest indication for Ankle arthrodesis is  
A) Rheumatoid arthritis  
B) Post traumatic arthritis  
C) Post infective arthritis  
D) Failed total ankle arthroplasty
213. "Ewing's sarcoma" is characterised by all EXCEPT  
A) Diaphysis in location  
B) Locally Malignant  
C) Soap bubble appearance  
D) Onion peel appearance on X-ray
214. Mallet finger is caused by injury to extensor tendon insertion at  
A) Distal phalynx  
B) Middle phalynx  
C) Proximal phalynx  
D) Second metacarpal bone
215. Monteggia fracture is the fracture of \_\_\_\_\_  
A) distal radius  
B) proximal radius  
C) distal ulna  
D) proximal ulna



216. In case of suspected septic arthritis, best way to confirm the diagnosis is by \_\_\_\_\_
- A) Aspiration of joint
  - B) CT scan (Computerised Tomography)
  - C) MRI scan (Magnetic Resonance Imaging)
  - D) Blood investigations
217. Cubitus varus (Gunstock) deformity is a complication of
- A) Supracondylar fracture of humerus
  - B) Fracture of lateral condyle of humerus
  - C) Fracture of shaft of humerus
  - D) Old unreduced elbow dislocation
218. All are the common sites of tendon rupture EXCEPT
- A) Supraspinatus Tendon
  - B) Long head of biceps brachii
  - C) Achilles tendon
  - D) Extensor Hallucis longus tendon
219. “Volkman’s Ischaemic Contracture” mostly involves \_\_\_\_\_ in Upper Limb.
- A) Flexor digitorum superficialis
  - B) Pronator teres
  - C) Flexor digitorum profundus
  - D) Flexor carpi radialis longus
220. Following Defect (lesion) is NOT responsible for recurrent anterior dislocation of shoulder
- A) Bankart’s lesion
  - B) Hillsach’s lesion
  - C) Bristow’s lesion
  - D) A defect in the anterior-inferior capsule
221. The bodies of spine are biconcave and are called “codfish spine” most commonly seen in \_\_\_\_\_
- A) Scurvy
  - B) Osteomalacia
  - C) Fluorosis
  - D) Hyperparathyroidism
222. All are unique features of WHO growth charts 2006 EXCEPT
- A) Breast fed infant as normative growth model
  - B) Sample collected from six States in the US
  - C) Includes new indicators such as skinfold thickness
  - D) Reiterates children grow similarly across the World
223. Which of the following age group, falls under early adolescence age group ?
- A) 8 – <10 years
  - B) 10 – 13 years
  - C) 14 – 16 years
  - D) 17 – 19 years







234. The most common cause of Permanent Congenital Hypothyroidism is  
A) TSH Receptor Mutations                      B) Thyroid Dysgenesis  
C) Defective Iodide Transport                D) PIT – 1 Mutations
235. In Neonatal Resuscitation, chest compression to ventilation ratio is  
A) 2:1                      B) 3:1                      C) 4:1                      D) 5:1
236. All of the following vaccines are live vaccines EXCEPT  
A) BCG                      B) OPV                      C) DPT                      D) measles
237. Osmolality of amniotic fluid is \_\_\_\_\_ mOsmol/L.  
A) 260                      B) 280                      C) 300                      D) 240
238. Early deceleration are seen in  
A) Cord compression                              B) Fetal hypoxia  
C) Head compression                              D) Fetal acidemia
239. According to Quintero staging system : Development of fetal hydrops in recipient twin in twin to twin transfusion syndrome belongs to stage  
A) II                              B) III                              C) IV                              D) V
240. As per WHO Risk classification category 4, very high risk of maternal mortality is seen in all types of Heart disease EXCEPT  
A) Pulmarterial hypertension  
B) Ventricular septal defect  
C) Marfan syndrome with aorta dilated > 40 mm  
D) Severe left heart obstruction
241. Implantation of the embryo to uterine wall occurs by all EXCEPT  
A) Apposition              B) Adhesion              C) Cohesion              D) Invasion
242. All of the following are tests for determining fetal lung maturity EXCEPT  
A) Lecithin/Sphingomyelin ratio              B) Fluorescence polarization  
C) Shake test                                      D) Kleihauer-Betke test
243. Serum concentration of  $MgSO_4$  in treatment of eclamptic convulsions should be maintained at \_\_\_\_\_ mEq/L.  
A) 2-3                              B) 4-7                              C) 8-10                              D) 11-13
244. Ovarian ectopic pregnancy is diagnosed by \_\_\_\_\_ criteria.  
A) Spiegelberg              B) Rubin's                      C) Studiford                      D) Wrigly
245. Uterine artery Doppler studies strongly predictive of intra uterine fetal death is \_\_\_\_\_  
A) Absent diastolic flow                              B) Absent systolic flow  
C) Reversal of diastolic flow                              D) Increase in systolic/diastolic ratio



246. All are features of rupture of uterus EXCEPT
- A) Easily palpable fetus                      B) Strong uterine contractions  
C) Vaginal bleeding                          D) Absent fetal heart
247. The standard screening test for gestational diabetes in high risk group between 24 to 28 weeks pregnancy is \_\_\_\_\_.
- A) HbA<sub>1C</sub>    B) 50 gms glucose challenge test  
C) Fasting plasma glucose                  D) Serum fructosamine
248. Disseminated Intravascular Coagulation (DIC) is common with \_\_\_\_\_.
- A) Acute fetal distress                        B) Forceps delivery  
C) Abruptio placenta                         D) Threatened abortion
249. Shortest diameter of pelvic inlet is \_\_\_\_\_.
- A) Diagonal conjugate                        B) True conjugate  
C) Obstetric conjugate                       D) Oblique diameter
250. The most sensitive parameter on USG to diagnose intrauterine growth restriction is \_\_\_\_\_.
- A) Femur length                                B) Head circumference  
C) Biparietal diameter                        D) Abdominal circumference
251. The most common cause of secondary post partum haemorrhage is \_\_\_\_\_.
- A) Uterine atony                                B) Rupture uterus  
C) Retained placental bits                  D) Cervical tear
252. Nuchal thickness more than \_\_\_\_\_ mm at 11-14 weeks of pregnancy is suggestive of Down's syndrome.
- A) 2    B) 3    C) 4    D) 5
253. Sonographic diagnosis of polyhydramnios is made if a largest vertical amniotic fluid pocket is more than \_\_\_\_\_ cms.
- A) 6    B) 8    C) 10    D) 24
254. Best treatment plan for a young nulliparous with Uterocervical length – 3 inches and 3<sup>rd</sup> degree uterovaginal prolapse with no cystoectocele and no Stress Urinary Incontinence is \_\_\_\_\_.
- A) Observation and reassurance          B) Shirodkar's abdominal sling surgery  
C) Fothergills operation                      D) Kelley's stitch
255. \_\_\_\_\_ is protective for development of endometrial hyperplasia.
- A) Diabetes and hypertension  
B) PCOS (Polycystic Ovarian Syndrome)  
C) Combined O.C. (Oral Contraceptive) pills  
D) Nulliparity



256. In post menopausal bleeding, endometrial thickness more than \_\_\_\_\_ mm. by transvaginal sonography is an indication for (D & C) Dilatation and Curettage.  
A) 8                      B) 6                      C) 4                      D) 2
257. Mayer-Rokitansky syndrome has the following features EXCEPT \_\_\_\_\_.  
A) Absent uterus                      B) Pelvic kidney  
C) Primary amenorrhea                      D) Absent ovary
258. Modified Wertheim's operation is classified as class \_\_\_\_\_ radical hysterectomy.  
A) I                      B) II                      C) III                      D) IV
259. Menorrhagia is seen in \_\_\_\_\_ type of fibroid.  
A) Subserous      B) Cervical      C) Submucous      D) Fundal
260. Postcoital test is used for assessment of \_\_\_\_\_.  
A) Ovulation      B) Tubal factor      C) Uterine factor      D) Cervical mucus
261. The functional ovarian cysts include all EXCEPT  
A) Dermoid cyst                      B) Corpus luteum cyst  
C) Follicular cyst                      D) Theca leutin cyst
262. Which of the following lesions show characteristic 'popcorn' type of calcification and fat component on chest radiograph ?  
A) Bronchogenic carcinoma                      B) Pulmonary hamartoma  
C) Sequestered lung segment                      D) Bronchial carcinoid
263. 'Bear claw' appearance on contrast enhanced CT scan abdomen is seen in  
A) Hepatic laceration                      B) Pancreatic laceration  
C) Hepatocellular carcinoma                      D) Renal cell carcinoma
264. Puff of smoke appearance on cerebral angiography is seen in which of the following condition ?  
A) Takayasu's disease                      B) Arteriovenous malformation  
C) Moya moya disease                      D) Aortoarteritis
265. Bony dyschondroplasia on radiography with cavernous haemangiomas in the soft tissue are seen in  
A) Ollier's syndrome                      B) Maffucci's syndrome  
C) Diaphyseal aclasia                      D) Gardner's syndrome
266. Which of the following is NOT a feature of calculous cholecystitis on ultrasound ?  
A) Presence of echogenic foci in lumen  
B) Mural thickening more than 3 mm with a halo  
C) Intrahepatic biliary duct dilatation  
D) Pericholecystic collection



267. Sick cell disease shows all radiological changes EXCEPT  
 A) Snowcap sign                              B) Looser's zone  
 C) Vertebral step sign                        D) Hairbrush sign
268. Hounsfield unit of which of the following is INCORRECT ?  
 A) Bone : + 500 to + 1500                      B) Lung : - 300 to - 800  
 C) Muscle : + 40 to + 60                        D) Fat : + 60 to + 150
269. A barium swallow study which shows serpiginous filling defects is diagnostic of  
 A) Achalasia cardia                              B) Oesophageal strictures  
 C) Oesophageal varices                        D) Foreign body in oesophagus
270. For diagnostic radiology, following photon interaction plays predominant role  
 A) Compton scattering                          B) Pair production  
 C) Photoelectric effect                         D) Coherent scattering
271. The most radiosensitive phase of cell cycle is  
 A) G<sub>1</sub>                              B) G<sub>2</sub>                              C) S                              D) M
272. A linear accelerator can generate beams of  
 A) Electrons and X-rays                        B) Protons and Gamma rays  
 C) Electrons and Neutrons                      D) Protons and X-rays
273. Which of the following radiation beam has the most penetration capacity ?  
 A) Cobalt Gamma ray                            B) 16 MV Electron  
 C) 15 MV X-ray                                  D) 50 MV Neutron
274. Endotracheal intubation is best performed in \_\_\_\_\_  
 A) Supine position                                B) Sniffing position  
 C) Lateral position                                D) Head low position
275. Which drug is used in cardiopulmonary resuscitation as an alternative to intravenous adrenaline 1 mg ?  
 A) Noradrenaline                                B) Dopamine  
 C) Dobutamine                                    D) Vasopressin
276. The following drugs are classified as non-depolarising muscle relaxants EXCEPT  
 A) Vecuronium                                    B) Suxamethonium  
 C) Atracurium                                    D) Rocuronium
277. Dissociative anaesthesia is produced by following intravenous anaesthetic agent  
 A) Propofol                              B) Ketamine                      C) Thiopentone                  D) Etomidate
278. The various approaches for brachial plexus block are the following EXCEPT  
 A) Supraclavicular                              B) Infraclavicular  
 C) Paravertebral                                 D) Axillary



279. Bain's circuit is modification of which Mapleson system ?  
A) Mapleson A    B) Mapleson B    C) Mapleson D    D) Mapleson F
280. It is a semisynthetic colloid solution  
A) Normal saline                      B) 5% Dextrose  
C) Ringer lactate                      D) Hydroxyethyl starch
281. The most common cause of vitreous hemorrhage in adults is  
A) Retinal hole    B) Trauma            C) Hypertension    D) Diabetes
282. Calcification is pathognomonic feature of  
A) Malignant melanoma of choroid  
B) Retinoblastoma  
C) Angiomatosis retinae  
D) Choroidal metastasis
283. Earliest symptom of sympathetic ophthalmitis is \_\_\_\_\_.  
A) Photophobia                      B) Pain  
C) Loss of near vision              D) Loss of distant vision
284. Following are sympathomimetic drugs used in treatment of glaucoma EXCEPT  
A) Dipivefrin                      B) Pilocarpine  
C) Brimonidine                      D) Apraclonidine
285. Vossius ring due to ocular trauma is seen on  
A) Anterior surface of cornea        B) Posterior surface of cornea  
C) Anterior surface of lens          D) Posterior surface of lens
286. Refractive condition of eye in which, with accommodation at rest, incident parallel ray come to focus anterior to light sensitive layer of retina is  
A) Myopia                              B) Hypermetropia  
C) Aphakia                              D) Astigmatism
287. Incipient cataract is stage of  
A) Senile nuclear cataract          B) Senile cortical cataract  
C) Posterior polar cataract          D) Anterior polar cataract
288. Staphyloma located at limbus is termed as  
A) Anterior staphyloma              B) Intercalary staphyloma  
C) Ciliary staphyloma              D) Equatorial staphyloma
289. Loss of intramural pericytes in retinal capillaries lead to formation of  
A) Dot haemorrhages                  B) Microaneurysms  
C) Hard exudates                      D) Cotton wool spots



290. Latent strabismus is termed as  
A) Tropia                      B) Torsion                      C) Phoria                      D) Version
291. All are antidepressant medications EXCEPT  
A) Asenapine                      B) Duloxetine  
C) Mirtazepine                      D) Venlafaxine
292. Derelation and Depersonalization is seen in which type of disorder ?  
A) Dissociative disorder                      B) Personality disorder  
C) Mania                      D) None
293. Fear of closed spaces is \_\_\_\_\_.  
A) Acrophobia                      B) Xenophobia  
C) Agoraphobia                      D) Claustrophobia
294. Which is NOT a perceptual abnormality ?  
A) Hallucinations                      B) Illusion  
C) Delusion                      D) None
295. Desensitization is a type of  
A) Psychotherapy                      B) Psychoanalysis  
C) Behavioural Therapy                      D) None
296. PANSS is a psychiatric rating scale for assessment of  
A) Depressive disorders                      B) Psychotic disorders  
C) Anxiety disorders                      D) Cognitive disorders
297. Repeated episodes in which the individual gets up from sleep with a panicky scream, intense anxiety, body motility and autonomic hyperactivity is diagnostic of  
A) Confusional arousal                      B) Nightmare disorder  
C) Sleep walking                      D) Sleep terror
298. Decreased alpha activity in EEG recording is caused by  
A) Caffeine                      B) Nicotine                      C) Alcohol                      D) Cocaine
299. Othello syndrome is characterized by  
A) Delusion of infidelity                      B) Delusion of persecution  
C) Delusion of grandiosity                      D) Delusion of erotomania
300. Individuals with Williams-Beuren Syndrome (WBS) are at increased risk of  
A) Autism                      B) Expressive language disorder  
C) Phonological disorder                      D) Mathematics disorder



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**SPACE FOR ROUGH WORK**