

Government Medical College and Hospital Sector 32, Chandigarh

Post: MBBS Qualification Candidates for Junior Resident, Demonstrator, Medical Officer, EMO, LMO

QUESTION BOOKLET

Time: 120 Minutes

Number of Question: 100

Maximum Marks: 100

Name of Candidate

Roll Number: In figure

In Words

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Signature of the Candidate: _____

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO

INSTRUCTIONS:-

1. Write your Roll Number on the Question Booklet and also on the OMR Sheet in the space provided. You will be required to give your thumb impression on the OMR sheet in the space provided.
2. This question booklet contains 100 MCQ's. Once you are permitted to open the Question Booklet, please check for any missing question / misprint etc. and in case of any discrepancy, inform the Assistant Superintendent / Invigilator within 10 minutes of the start of the test.
3. Each question has four alternative answer (A, B, C, D) out of which only one is correct. For each question, **darken only one bubble (A or B or C or D)**, whichever you think is the correct answer, on the OMR Answer sheet **with Black or Blue Ball Pen only**. Do not use any other Pen / Gel pen / Pencil etc. **Do not Tick ✓ or × on the OMR Sheet**. Darken the bubbles in the OMR Answer Sheet according to the Serial No. of the Questions given in the Question Booklet.
4. Each MCQ is of One (01) mark. There is no negative marking.
5. If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the OMR Answer sheet.
6. The OMR Answer sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given, it may make evaluation by the computer difficult. Any resultant loss to the candidates on the above account, i.e. not following instructions completely and properly, shall be the responsibility of the candidates only.
7. After the test, handover the Question Booklet and OMR sheet to the Invigilator on duty.
8. A Candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper or the any assistance or found giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre superintendent/Observer whose decision shall be final.
9. Telecommunication equipment such as pager, cellular phone, wireless, scanner, smart watch/ watch etc. is not permitted inside the examination hall. Use of calculators is not allowed.
10. Candidate should ensure accuracy of their personal details on the OMR Sheet i.e. Name and Roll No. as well as thumb impression. The personal details are to be filled in by the candidates with his/her own hand writing.

1. Northern blot is used in identification of
 - A. DNA
 - B. RNA
 - C. Protein sequences
 - D. Antibodies
2. Urine turns black on standing in
 - A. Phenylketonuria
 - B. Acute intermittent porphyria
 - C. Maple syrup urine disease
 - D. Alkaptonuria
3. Coronary sinus develops from
 - A. Truncus arteriosus
 - B. Conus
 - C. Sinus venosus
 - D. AV canal
4. A monoclonal antibody useful in treatment of bronchial asthma is
 - A. Omalizumab
 - B. Zileuton
 - C. Nedocromil
 - D. Nintedanib
5. Allen's test is used to diagnose
 - A. Thoracic outlet syndrome
 - B. Superior vena cava syndrome
 - C. Carpal tunnel syndrome
 - D. Palmar arch insufficiency
6. Most common site for fibroids in uterus is
 - A. Subserous
 - B. Intramural
 - C. Cervical
 - D. Submucous
7. Neuroleptic malignant syndrome is treated with
 - A. Diazepam
 - B. Corticosteroids
 - C. Hemodialysis
 - D. Bromocriptine
8. Brunner's glands are seen in
 - A. Duodenum
 - B. Esophagus
 - C. Stomach
 - D. Colon
9. A common adverse effect of chronic amiodarone therapy
 - A. Corneal deposition
 - B. Cataract
 - C. Glaucoma
 - D. Retinal pigmentation
10. Spalding sign is a feature of
 - A. Prematurity
 - B. Post-maturity
 - C. Fetal death
 - D. Hydrocephalus
11. Carpal tunnel syndrome is due to compression of which nerve
 - A. Radial
 - B. Ulnar
 - C. Median
 - D. Anterior interosseous
12. Clue cells are seen in
 - A. Trichomonas vaginalis
 - B. Candidiasis
 - C. Herpes simplex
 - D. Bacterial vaginosis
13. All-trans retinoic acid (ATRA) is used in the treatment of
 - A. Chronic myeloid leukemia
 - B. Acute promyelocytic leukemia
 - C. Multiple myeloma
 - D. Myelodysplastic syndrome
14. Osteogenesis imperfecta is due to defect in
 - A. Collagen 1
 - B. Collagen 2
 - C. Collagen 3
 - D. Collagen 4
15. Burkitt's lymphoma is associated with
 - A. Human T cell Lymphotropic Virus
 - B. EB Virus
 - C. Human Papilloma Virus
 - D. Human Herpes Virus-8

16. Bull's eye retinopathy is seen in toxicity of
 - A. Aminoglycosides
 - B. Tobacco
 - C. Chloroquine
 - D. Ethanol
17. Metabolic acidosis and visual loss is seen in poisoning with
 - A. Cyanide
 - B. Acetone
 - C. Methanol
 - D. Ethanol
18. Progesterone only pill carries a risk of
 - A. Diabetes mellitus
 - B. Venous embolism
 - C. Irregular bleeding
 - D. Cardiovascular complications
19. Wernicke's encephalopathy is characterized by
 - A. Tinnitus
 - B. Vertigo
 - C. Ophthalmoplegia
 - D. Hemiparesis
20. Most ideal site for sterilization by tubectomy is
 - A. Ampulla
 - B. Isthmus
 - C. Fimbriated extremity
 - D. Interstitial portion
21. Commonest cause of vesico-vaginal fistula is
 - A. Laparoscopy
 - B. Abdominal hysterectomy
 - C. Obstructed labor
 - D. Cystoscopy
22. Pincer grasp is seen at
 - A. 5-6 months
 - B. 6-8 months
 - C. 9-11 months
 - D. 12 months onward
23. Leukocyte alkaline phosphatase score is decreased in
 - A. Pregnancy
 - B. Chronic myeloid leukemia
 - C. Polycythemia vera
 - D. Leukemoid reaction
24. Surfactant is produced by
 - A. Type 2 pneumocytes
 - B. Type 1 pneumocytes
 - C. Clara cells
 - D. Endothelial cells
25. Classical skin manifestation of sarcoidosis is
 - A. Urticarial pigmentosa
 - B. Discoid rash
 - C. Erythema nodosum
 - D. Acneiform eruptions
26. Cerebral blood flow decreases in
 - A. Metabolic acidosis
 - B. Decreased blood viscosity
 - C. Hypercapnia
 - D. Increased intracranial pressure
27. Anti-craving drug used in alcohol dependence
 - A. Methadone
 - B. Vareniciline
 - C. Naltrexone
 - D. Rimonabant
28. Snowstorm appearance on ultrasound is seen in
 - A. Fetal hydrops
 - B. Polyhydroamnios
 - C. Hydatidiform mole
 - D. Hydronephrosis
29. March fracture is the fracture of
 - A. Shaft of 2nd metatarsal
 - B. Neck of 2nd metatarsal
 - C. Shaft of 3rd metatarsal
 - D. Base of 5th metatarsal
30. MHC II complex is present in
 - A. Langerhans' cell
 - B. Dendritic cell
 - C. NK cell
 - D. T cell

31. In spinal anesthesia, drug is deposited between
 - A. Pia and arachnoid
 - B. Dura and arachnoid
 - C. Pia and dura
 - D. Dura and ligaments
32. According to ICD-10, which letter is used to denote mental illness
 - A. F
 - B. Q
 - C. M
 - D. P
33. Klein Levin syndrome is characterized by
 - A. Insomnia
 - B. Anxiety
 - C. Hypersomnia
 - D. Depression
34. Stimulant drug is given to child for
 - A. Conduct disorder
 - B. Speech developmental disorder
 - C. Pervasive disorder
 - D. Attention-deficit / hyperactivity disorder
35. Mean arterial pressure is calculated as:
 - A. $(SBP + 2DBP) / 3$
 - B. $(DBP + 2SBP) / 3$
 - C. $(SBP + 2DBP) / 2$
 - D. $(DBP + 2SBP) / 2$
36. Russell bodies are found in
 - A. Multiple Myeloma
 - B. Gonadal tumor
 - C. Parkinsonism
 - D. Intracranial neoplasms
37. Klatskin tumor is a
 - A. Cholangiocarcinoma
 - B. Hepatoma
 - C. Gall bladder carcinoma
 - D. Bronchogenic carcinoma
38. Longest fetal skull diameter is
 - A. Mentovertical
 - B. Submentovertical
 - C. Submentobregmatic
 - D. Occipitofrontal
39. Mini-mental state examination is used for diagnosis of
 - A. Delirium
 - B. Dementia
 - C. Depression
 - D. Stroke
40. Antibiotic that potentiates neuromuscular blockade
 - A. Cephalosporin
 - B. Carbapenam
 - C. Aminoglycoside
 - D. Vancomycin
41. Hernia prone to recur after primary repair
 - A. Femoral
 - B. Epigastric
 - C. Spigelian
 - D. Incisional
42. Raindrop pigmentation is seen in poisoning with
 - A. Lead
 - B. Arsenic
 - C. Copper
 - D. Mercury
43. Last organ to putrefy after death is
 - A. Prostate
 - B. Heart
 - C. Stomach
 - D. Brain
44. Most common cause of acute otitis media in children is
 - A. E.coli
 - B. Pneumococcus
 - C. Pseudomonas
 - D. Klebsiella
45. Reiter's disease is associated with
 - A. Pseudomonas aeruginosa
 - B. Shigella flexneri
 - C. Streptococcus pyogenes
 - D. Hemophilus influenza

46. ECG changes seen in hypocalcemia
 - A. QT prolongation
 - B. Prolonged PR interval
 - C. Shortened PR interval
 - D. QT shortening
47. Reverse splitting of Second heart sound is seen in
 - A. Ventricular Septal Defect
 - B. Severe Aortic Stenosis
 - C. Right Bundle Branch Block
 - D. Atrial Septal Defect
48. Total parenteral nutrition leads to
 - A. Hypophosphatemia
 - B. Hypcholesterolemia
 - C. Hypercalcemia
 - D. Hyponatremia
49. Nerve injured in inferior dislocation of shoulder is
 - A. Axillary
 - B. Median
 - C. Ulnar
 - D. Radial
50. Glucagon is used in poisoning of
 - A. Calcium channel blockers
 - B. Tricyclic antidepressants
 - C. Beta blockers
 - D. Benzodiazepines
51. Rasmussen's aneurysm is seen in
 - A. Bronchial artery
 - B. Pulmonary artery
 - C. Vertebral artery
 - D. Subclavian artery
52. MacCallum patch is usually seen in
 - A. Left atrium
 - B. Left ventricle
 - C. Right atrium
 - D. Right ventricle
53. Most common cause of spontaneous abortion in first trimester is
 - A. Uterine anomalies
 - B. Chromosome anomalies
 - C. Anti-phospholipid syndrome
 - D. Hypothyroidism
54. Smooth symmetric bird beak-like tapering of lower esophagus on barium swallow is seen in
 - A. Esophageal carcinoma
 - B. Achalasia cardia
 - C. Gastro-esophageal reflux disease
 - D. Diffuse esophageal spasm
55. Melatonin is secreted by
 - A. Pineal gland
 - B. Mammillary body
 - C. Hypothalamus
 - D. Posterior pituitary
56. Fick's principle is used to calculate
 - A. Pulse pressure
 - B. Cardiac output
 - C. Oxygen consumption
 - D. Cardiac axis
57. Hyperinfective syndrome is seen in
 - A. Enterobius
 - B. Ascariasis
 - C. Strongyloidosis
 - D. Trichuriasis
58. Definitive host of Echinococcus granulosus is
 - A. Man
 - B. Pig
 - C. Dog
 - D. Sheep
59. The typical tremor in a patient with Parkinson's disease is
 - A. Intention
 - B. Pill-rolling
 - C. Fine
 - D. Flapping
60. A 5-year with nephrotic syndrome is responding well to steroid therapy. What would be the finding on light microscopy
 - A. No abnormal finding
 - B. Basement membrane thickening
 - C. Podocyte lesions
 - D. Glomerular sclerosis

61. Deep coma with quadriplegia is found in
- Putamen bleed
 - Pontine bleed
 - Thalamic hemorrhage
 - Cerebellar bleed
62. Medullary carcinoma thyroid arises from
- C-cells
 - Follicular cells
 - Papillary cells
 - Medullary cells
63. Most common site for carcinoid in gastro-intestinal tract is
- Appendix
 - Rectum
 - Duodenum
 - Colon
64. Parkland's formula is useful in management of
- Abdominal injury
 - Head injury
 - Poisoning
 - Burns
65. Normal cerebrospinal fluid protein value (mg/dl) is
- 0-5 mg
 - 5-15mg
 - 15-40 mg
 - 40-60mg
66. Apple green birefringence is seen in
- Rheumatoid arthritis
 - Amyloidosis
 - Grave's disease
 - Multiple myeloma
67. Drug of choice for juvenile myoclonic epilepsy is
- Phenytoin
 - Phenobarbitone
 - Clonazepam
 - Sodium Valproate
68. Which is a nucleoside reverse transcriptase inhibitor?
- Ritonavir
 - Nelfinavir
 - Efavirenz
 - Abacavir
69. In autosomal dominant inheritance
- Only one generation is affected
 - 25% chance of transmission of disease
 - Males affected predominantly
 - Both males and females affected equally
70. Live vaccine has the following characteristic:
- Stable at room temperature
 - Induces poor immunity
 - Requires adjuvant
 - Single dose is enough
71. Condom usage is a type of
- Primordial prevention
 - Primary prevention
 - Secondary prevention
 - Tertiary prevention
72. ASHA stands for
- Accredited social health activist
 - Autonomous social health activist
 - Association of social health activists
 - Assistant social health activist
73. Palpable purpura is seen in
- Polyarteritis nodosa
 - Amyloidosis
 - Steroid purpura
 - Thrombocytopenia
74. Which of the following organism gives greenish/yellow coloured colonies on agar
- Staphylococcus
 - E. Coli
 - Pseudomonas
 - Peptostreptococcus

75. Most common cause of meningitis in children 6 months to 2 years of age
- Pneumococcus
 - Staphylococcus
 - H. influenza
 - E.coli
76. Anion gap is
- $\text{Na}^+ - (\text{Cl}^- + \text{HCO}_3^-)$
 - $\text{Na}^+ + (\text{Cl}^- - \text{HCO}_3^-)$
 - $(\text{Na}^+ - \text{Cl}^-) + \text{HCO}_3^-$
 - $\text{Na}^+ (\text{Cl}^- + \text{HCO}_3^-)$
77. Harrison groove is seen in
- Scurvy
 - Beriberi
 - Rickets
 - Osteogenesis imperfecta
78. Fifth disease is caused by
- Parvovirus B19
 - Paramyxovirus B19
 - Flavivirus B19
 - Metapneumovirus B19
79. Which is a distal myopathy
- Polymyositis
 - Metabolic myopathy
 - Myotonic dystrophy
 - Endocrine myopathy
80. Mycobacteria exclusively affecting skin is
- M. marinum
 - M. xenopi
 - M. tuberculosis
 - M. chelonae
81. Indication for intercostal drainage is
- Pleural fluid pH >7.2
 - Pleural fluid glucose > 40 mg /dL
 - Purulent pleural fluid
 - Bilateral pleural effusion
82. Patient of 47 XXY karyotype presents with features of hypogonadism; likely syndrome is
- Turner's
 - Klinefelter's
 - Edward's
 - Down's
83. Cherry red spot is seen in
- Central retinal vein occlusion
 - Central retinal artery occlusion
 - Retro-bulbar neuritis
 - Papilloedema
84. The treatment of choice for Attico-antral variety of CSOM is
- Mastoidectomy
 - Medical Management
 - Underlay myringoplasty
 - Insertion of ventilation tube
85. The metabolic derangement in gastric outlet obstruction is
- Hypokalemic Hypochloremic alkalosis
 - Hypokalemic Hyperchloremic alkalosis
 - Hypokalemic Hyperchloremic acidosis
 - Hypokalemic Hypochloremic acidosis
86. The commonest cause of maternal mortality in India is
- Anemia
 - Hemorrhage
 - Abortion
 - Sepsis
87. A 45-year-old Male, has multiple painful unilateral grouped vesicular lesions in T10 dermatome. The most likely diagnosis is
- Herpes zoster
 - Dermatitis herpetiformis
 - Herpes simplex
 - Scabies
88. One of the following data indicates Type II respiratory failure:
- Low PO_2 and Low PCO_2
 - Low PO_2 and High PCO_2
 - Normal PO_2 and Low PCO_2
 - Very Low PO_2 and Normal PCO_2

89. Which of the following hepatitis viruses is a DNA virus?
- Hepatitis C virus
 - Hepatitis B virus
 - Delta agent
 - Hepatitis E virus
90. For diagnosis in a patient presenting with a breast lump, the best investigation is
- Core needle biopsy
 - Mammography
 - Fine needle aspiration cytology
 - MRI
91. The etiologic agent implicated in causation of carcinoma of cervix is
- HPV types - 6, 11
 - HPV types - 11, 22
 - HPV types - 16, 18
 - HPV types - 21, 22
92. All of the following muscles are muscles of mastication EXCEPT
- Buccinator
 - Masseter
 - Temporalis
 - Pterygoids
93. Spleen is not enlarged in
- Thalassemia
 - Hemolytic anemia
 - Aplastic anemia
 - Myelodysplastic syndrome
94. Antihypertensive of choice in pregnancy is
- Hydrochlorothiazide
 - Propranolol
 - Valsartan
 - Methyldopa
95. All are true about pheochromocytoma EXCEPT
- 90% are malignant
 - 95% occur in the abdomen
 - They secrete catecholamines
 - They arise from sympathetic ganglions
96. Which of the following is an autosomal dominant metabolic disorder?
- Cystic fibrosis
 - Phenylketonuria
 - alpha-1 antitrypsin deficiency
 - Familial hypercholesterolemia
97. A Holosystolic murmur that increases on inspiration is consistent with
- Kussmaul's sign
 - Carvallo's sign
 - Rosenbach sign
 - Gallavardin effect
98. Father of disputed child has blood group A and mother has AB. Which blood group can be eliminated in the child
- O
 - AB
 - A
 - B
99. Nysten's rule applies to
- Hypostasis
 - Rigor Mortis
 - Adipocere
 - Mummification
100. The most common site for contrecoup brain injury is :
- Frontal lobe
 - Parietal lobe
 - Temporal lobe
 - Occipital lobe

SUBJECT COMMON MBBS PAPER KEY

1	B	21	C	41	D
2	D	22	C	42	B
3	C	23	B	43	A
4	A	24	A	44	B
5	D	25	C	45	B
6	B	26	D	46	A
7	D	27	C	47	B
8	A	28	C	48	A
9	A	29	B	49	A
10	C	30	B	50	C
11	C	31	A	51	B
12	D	32	A	52	A
13	B	33	C	53	B
14	A	34	D	54	B
15	B	35	A	55	A
16	C	36	A	56	B
17	C	37	A	57	C
18	C	38	A	58	C
19	C	39	B	59	B
20	B	40	C	60	A
61	B	81	C		
62	A	82	B		
63	A	83	B		
64	D	84	A		
65	C	85	A		
66	B	86	B		
67	D	87	A		
68	D	88	B		
69	D	89	B		
70	D	90	A		
71	B	91	C		
72	A	92	A		
73	A	93	C		
74	C	94	D		
75	C	95	A		
76	A	96	D		
77	C	97	B		
78	A	98	A		
79	C	99	B		
80	A	100	A		