

SEAL

DO NOT OPEN THE SEAL UNTIL INSTRUCTED TO DO SO

Series :

A

Question Booklet No.

102562

GM/H/07/2024 EXAM.

2024

PAPER—I

Invigilator's Signature

Candidate's Signature

Time : 2 Hours

Maximum Marks : 200

ROLL NO.

--	--	--	--	--	--

INSTRUCTIONS FOR CANDIDATES

1. Immediately after the commencement of the Examination, candidate should check that this Booklet does **NOT** have any unprinted, torn or missing pages/Sl. No. etc. If any defect is found, candidates should not write or mark anything on the OMR RESPONSE SHEET and immediately report it to the room Invigilator for replacement by a Complete Question Booklet.
2. Candidate should carefully read the instructions on the back of the OMR RESPONSE SHEET. They should **NOT** write Name, mark, make any stray marking or write anything irrelevant on either side of the OMR RESPONSE SHEET. Remarks other than the Answers and requisite details will be treated as revealing your identity and upon physical verification if such remarks are found, the OMR RESPONSE SHEET will be invalidated and the candidature cancelled. No rough work should be done on the OMR RESPONSE SHEET. Rough work space provided in the Question Booklet can be used for the same.
3. Candidate should enter correct and complete digits of his/her Roll Number, Booklet Number and other details in the appropriate boxes and darken the corresponding bubbles in the OMR RESPONSE SHEET.
4. Candidate should **NOT** handle his/her OMR RESPONSE SHEET in such a manner as to mutilate, fold etc.
5. This Question Booklet contains **100** questions carrying 2 (two) marks each. Each question contains four responses. **Only one response/answer** for each question should be marked appropriately in the bubble on the OMR RESPONSE SHEET. If more than one response is marked, the answer will be considered wrong.
6. **Candidates are strictly prohibited to possess any book, notebook or loose paper, calculator, mobile phone, any electronic gadget, digital wristwatch etc., inside the Examination Hall, except his/her Unique ID, Admit Card and writing materials only.**
7. Immediately after the final bell indicating the closure of the Examination, candidates should stop marking answers. Candidates should remain seated till the collection of OMR RESPONSE SHEET by the Invigilator. They will leave the Examination Hall after submission of OMR only after they are permitted by the Invigilator.
8. Violation of any of the above Rules will render the candidate liable to be expelled and disqualified from the Examination and according to the nature and gravity of his/her offence, he/she may be debarred from future Examinations and interviews to be conducted by the Commission and other such organizations.

NB : CANDIDATES ARE ALLOWED TO TAKE THIS QUESTION BOOKLET WITH THEM ONLY AFTER COMPLETION OF 2 (TWO) HOURS OF EXAMINATION TIME.

DO NOT OPEN THE SEAL UNTIL INSTRUCTED TO DO SO

GM/H/07/2024 EXAM. 2024/5-A

SEAL

SEAL

1. Which one of the following is common infecting Gram-negative bacteria?

- [A] *Staphylococcus aureus*
- [B] *Streptococcus pneumoniae*
- [C] *H. influenzae*
- [D] *M. tuberculosis*

2. Monge's disease is

- [A] chronic mountain sickness
- [B] chronic sea sickness
- [C] chronic travel sickness
- [D] chronic cold exposure

3. The tram track appearance in chest radiography is the characteristic of

- [A] asthma
- [B] bronchiectasis
- [C] emphysema
- [D] pneumonia

4. Which one of the following is the soil transmitted helminthiasis?

- [A] *Brugia malayi*
- [B] Loiasis
- [C] Onchocerciasis
- [D] Hookworm



5. Identify the **wrong** pair.

- [A] Farmer's lung - moldy hay
- [B] Mushroom picker's disease - moldy compost
- [C] Suberosis - enzyme additives
- [D] Bagassosis - moldy sugarcane

6. Which one of the following is **not true** about Pickwickian syndrome?

- [A] BMI greater than 30 is a diagnostic criterion
- [B] Arterial pressure of CO₂ greater than 45 mm of Hg is a diagnostic criterion
- [C] Patients with this syndrome have a higher risk in perioperative period
- [D] High ESR is a diagnostic criterion

7. Which one of the following is the commonest form of plague?

- [A] Septicemic plague
- [B] Bubonic plague
- [C] Pneumonic plague
- [D] Mixed plague

8. Tall, peaked P-waves in ECG indicate

- [A] tricuspid stenosis
- [B] tricuspid regurgitation
- [C] aortic stenosis
- [D] aortic regurgitation

9. Bacterial index is highest in

- [A] lepromatous leprosy
- [B] tuberculoid leprosy
- [C] borderline tuberculoid leprosy
- [D] borderline lepromatous leprosy

10. Vaginal pH is high in

- [A] candidiasis
- [B] trichomoniasis
- [C] bacterial vaginosis
- [D] staphylococcal infection

11. All of the following are indicatives of Henoch-Schonlein purpura, **except**

- [A] it often arises in response to an infectious trigger
- [B] petechial rash typically affecting face
- [C] abdominal pain
- [D] arthralgia

12. Thickening of glomerular basement membrane is seen in

- [A] minimal change glomerulonephropathy
- [B] focal segmental glomerulosclerosis
- [C] mesangiocapillary glomerulonephritis
- [D] membranous nephropathy

13. Alpha-galactosidase A enzyme deficiency causes

- [A] Gaucher's disease
- [B] Fabry's disease
- [C] Niemann-Pick disease
- [D] mucopolysaccharidosis

14. Which one of the following is the cause of hyperkalemia?

- [A] Tumor lysis syndrome
- [B] Liddle syndrome
- [C] Conn's syndrome
- [D] Cushing syndrome

15. Which of the following is **not** a sign of hyperlipidemia?

- [A] Xanthoma
- [B] Corneal arcus
- [C] Xanthelasma
- [D] Ankle edema

16. Which of the following is **not** a cause of hypercalcemia with low parathyroid hormone levels?

- [A] Lung malignancy
- [B] Hypothyroidism
- [C] Paget's disease
- [D] Milk-alkali syndrome



17. CURB-65 score comprises of all, **except**

- [A] confusion
- [B] urea > 7 mmol/l
- [C] respiratory rate <30/min
- [D] blood pressure (<90/<60 mm of Hg)

18. Fourth heart sound occurs at

- [A] onset of diastole
- [B] end of diastole
- [C] onset of systole
- [D] end of systole

19. Which one of the following is **not** the characteristic of Buerger's disease?

- [A] It occurs in the young male smokers
- [B] It is due to atherosclerosis
- [C] Wrist and ankle pulses are absent
- [D] Brachial and popliteal pulses are present

20. Arteriovenous nipping is seen in

- [A] Grade 1 Hypertensive Retinopathy
- [B] Grade 2 Hypertensive Retinopathy
- [C] Grade 3 Hypertensive Retinopathy
- [D] Grade 4 Hypertensive Retinopathy

21. Hamman-Rich syndrome is which type of pneumonia?

- [A] Cryptogenic Organizing Pneumonia
- [B] Acute Interstitial Pneumonia
- [C] Non-specific Interstitial Pneumonia
- [D] Usual Interstitial Pneumonia

22. Presbycusis occurs in

- [A] infants
- [B] children
- [C] adults
- [D] old age



23. Large 'Cobblestone' papillae on upper tarsal conjunctiva is seen in

- [A] vernal keratoconjunctivitis
- [B] atopic keratoconjunctivitis
- [C] chlamydial keratoconjunctivitis
- [D] gonococcal keratoconjunctivitis

24. Cloudy cornea is characteristically seen in which one of the following?

- [A] Acute conjunctivitis
- [B] Acute anterior uveitis
- [C] Acute angle closure glaucoma
- [D] Corneal trauma

25. 'Thumbtack - like' scales are seen in

- [A] sarcoidosis
- [B] seborrheic dermatitis
- [C] discoid lupus erythematosus
- [D] psoriasis

26. Pheochromocytoma is **not** associated with

- [A] neurofibromatosis
- [B] MEN2
- [C] MEN1
- [D] MEN3

27. 'Bird's beak' esophagus is seen in

- [A] achalasia
- [B] hiatus hernia
- [C] diffuse esophageal spasm
- [D] Zenker diverticulum

28. Vitamin K is required for the following coagulation factors, **except**

- [A] II
- [B] III
- [C] VII
- [D] IX

29. Kayser-Fleischer ring is seen in

- [A] Wilson disease
- [B] sarcoidosis
- [C] cystic fibrosis
- [D] primary biliary cirrhosis

30. Which is **not** a screening test to evaluate etiology of chronic liver disease?

- [A] Hepatitis C surface antigen
- [B] Hepatitis C antibody
- [C] Alpha-1-antitrypsin
- [D] Immunoglobulins

31. Which of the following is **not** a diagnostic criterion of SLE?

- [A] Malar rash
- [B] Serositis
- [C] Leukocytosis
- [D] Arthritis



32. Which is the most common inherited disorder of bilirubin metabolism?

- [A] Rotor syndrome
- [B] Crigler-Najjar syndrome
- [C] Dubin-Johnson syndrome
- [D] Gilbert syndrome

33. Which of the following is **not** a feature of primary biliary cholangitis?

- [A] Pruritus
- [B] Antimitochondrial antibodies
- [C] Predominately affects male more than female
- [D] Associated with coeliac disease

34. Normal hematopoiesis in adults is found in all, **except**

- [A] liver and spleen
- [B] vertebra
- [C] pelvis
- [D] sternum

35. Howell-Jolly bodies are commonly seen in

- [A] post-splenectomy
- [B] hypersplenism
- [C] lead poisoning
- [D] severe haemolysis

36. All are the neurological findings in B12 deficiency, **except**

- [A] optic atrophy
- [B] loss of ankle reflex
- [C] dementia
- [D] diminished anterior column sensations

37. Which is **not** found in diabetes mellitus?

- [A] Transudative maculopathy
- [B] Necrobiosis lipoidica
- [C] Prayer sign
- [D] Granuloma annulare

38. What is **true** about ulcerative colitis?

- [A] Common among active smokers
- [B] Affects colon only
- [C] Bloody diarrhoea is common presentation
- [D] Associated with HLA-DR103

39. 'Maddrey score' is used to assess prognosis of

- [A] liver disease
- [B] lung disease
- [C] kidney disease
- [D] central nervous system disease

40. Which is the universal feature in Behçet's disease?

- [A] Retinal vasculitis
- [B] Recurrent thrombosis
- [C] Erythema nodosum
- [D] Oral ulcers

41. Von Hippel-Lindau disease is associated with the mutation of
- [A] chromosome 1
 - [B] chromosome 2
 - [C] chromosome 3
 - [D] chromosome 4
42. Which among the following is **not** the feature of Becker muscular dystrophy?
- [A] Distal muscles are affected only
 - [B] Cardiomyopathy is common
 - [C] X-linked transmission occurs
 - [D] Occurs in childhood/early adulthood
43. Cape distribution of spinothalamic loss occurs in
- [A] mid brainstem lesion
 - [B] single dorsal column lesion
 - [C] central cord lesion
 - [D] transverse thoracic spinal cord lesion
44. 'CASPAR' criteria is used for
- [A] rheumatic arthritis
 - [B] osteoarthritis
 - [C] juvenile rheumatic arthritis
 - [D] psoriatic arthritis
45. In lower motor neuron disorders, lesions occur in which among the following?
- [A] Cortical pyramidal cell
 - [B] Internal capsule
 - [C] Anterior horn cell of spinal cord
 - [D] Pyramidal tract
46. Which among the following is **not** the feature of malignant melanoma?
- [A] Asymmetry
 - [B] Border irregular
 - [C] Colour irregular
 - [D] Diameter <0.5 cm
47. 'Fir tree' pattern scaly rashes on trunk is seen in
- [A] pityriasis rosea
 - [B] atopic eczema
 - [C] acne rosea
 - [D] secondary syphilis
48. Association of dermatitis herpetiformis is seen strongly with
- [A] ulcerative colitis
 - [B] celiac disease
 - [C] Crohn's disease
 - [D] tropical sprue
49. Gingivitis; gums spongy, sometimes bleeding; halitosis; tongue swollen, flabby and taking imprint of teeth with increased thirst. The indicated remedy is
- [A] Merc. sol
 - [B] Plantago
 - [C] Kreosote
 - [D] Hepar sulph
50. _____ medicine has cured pterygium and also indicated for violent hiccough.
- [A] Ranunculus bulbosus
 - [B] Ratanhia
 - [C] Radium brom
 - [D] Cuprum met



51. Dropsy from organic heart disease; from chronic liver complaint; far advanced albuminuria; following intermittent fever. The indicated remedy is

- [A] Lac. can
- [B] Apocyanum
- [C] Helleborus
- [D] Lac. defloratum

52. Hemorrhage into anterior chamber after iridectomy. The indicated remedy is

- [A] Ruta
- [B] Physostigma
- [C] Ledum pal
- [D] Hamamelis



53. Itching and crawling in rectum; ascarides; child refers to the navel as the most painful part. The indicated remedy is

- [A] Stannum metallicum
- [B] Spigelia
- [C] Sulphur
- [D] Sanguinaria nitricum

54. The indicated remedy for spinal meningitis : violent crushing gnawing pains at base of brain; opisthotonus is

- [A] Natrum sulph
- [B] Veratrum viride
- [C] Glonoine
- [D] Zincum met

55. Herpes circinatus in intersecting rings over whole body. Ringworm, Barber's itch, offensive odor from affected parts. The indicated remedy is

- [A] Sepia
- [B] Bacillinum
- [C] Tellurium
- [D] Sulphur

56. Which remedy is indicated when condylomata are large and look like a cock's comb?

- [A] Euphrasia
- [B] Thuja
- [C] Sabina
- [D] Cinnabaris

57. Arthritic nodosities of joints, especially of fingers; inflammation of phalanges with sweating and suppuration. The indicated remedy is

- [A] Sabina
- [B] Staphysagria
- [C] Thuja occidentalis
- [D] Actaea spicata

58. Which medicine is indicated for toothache with facial neuralgia; < warmth; and in bed at night; > cold water?

- [A] Chelidonium
- [B] Spigelia
- [C] Mag. phos
- [D] Sanguinaria canadensis

59. Constant urging to stool followed by sudden evacuation; always shoots out forcibly; worse least food or drink; is an indication of which medicine?

- [A] Sulphur
- [B] Arg. Nit.
- [C] Croton Tig.
- [D] Aloes Soc

60. Sailors suffer from asthma 'on shore'. The indicated medicine is

- [A] Natrum sulph
- [B] Dulcamara
- [C] Bromium
- [D] Iodum

61. Urine output in severe shock is
- [A] anuric
 - [B] polyuric
 - [C] dysuric
 - [D] normal
62. Which of the following is **not** the feature of 'Whipple's triad'?
- [A] Symptoms induced by fasting
 - [B] Hypoglycemia at the time of symptoms
 - [C] Symptoms relieved by the administration of glucose
 - [D] Coma
63. What is **not correct** in the context of compartment syndrome?
- [A] Commonest in a closed fracture or soft tissue crush injury
 - [B] Pain on passive extension of the muscles is diagnostic
 - [C] Volkmann ischemic contracture is a possible complication, if remained unrelieved
 - [D] Fasciotomy is not indicated
64. Which of the following is **not** the cause of acute liver failure?
- [A] Chickenpox
 - [B] Mushroom poisoning
 - [C] Paracetamol overdose
 - [D] Hyperlipidemia
65. Most common tumor metastasize to bone is
- [A] breast
 - [B] brain
 - [C] pancreas
 - [D] adrenal
66. The chance of developing invasive cancer is enhanced if the tubular adenoma type of rectal polyp size is more than
- [A] 5 mm in diameter
 - [B] 3 mm in diameter
 - [C] 10 mm in diameter
 - [D] 1 mm in diameter
67. Which metabolic response occurs in starvation?
- [A] High plasma insulin
 - [B] High plasma glucagon
 - [C] Glycogenesis
 - [D] Protein synthesis
68. Symptoms of endoscopic esophageal perforation are all, **except**
- [A] neck pain
 - [B] chest pain
 - [C] drooling saliva
 - [D] systolic hypertension
69. In thyrotoxic state, the level of TSH is usually
- [A] very high
 - [B] high
 - [C] undetectable/very low
 - [D] normal
70. Which one of the following is a clinical feature of Cushing syndrome?
- [A] Distal myopathy
 - [B] Hypotension
 - [C] Increased libido
 - [D] Lemon on stick appearance



71. 'Poland syndrome' is characterized by

- [A] absence of sternal portion of the pectoralis major and short webbed fingers
- [B] absence of sternal portion of the pectoralis minor and large webbed fingers
- [C] accessory breast in axilla
- [D] macromastia

72. All of the following are the risk factors for ischemic heart disease, **except**

- [A] smoking
- [B] diabetes mellitus
- [C] hypertension
- [D] female gender

73. Microscopic features of malignancy are all, **except**

- [A] metastasis
- [B] nuclear abnormalities
- [C] necrosis
- [D] no architectural abnormalities

74. Which of the following is **not** a feature of 'Fallot's tetralogy'?

- [A] Ventricular septal defect
- [B] Overriding aorta
- [C] Pulmonary stenosis
- [D] Left ventricular hypertrophy

75. The score on 'Glasgow Coma Scale' in severe head injury is

- [A] 3-8
- [B] 9-13
- [C] 14
- [D] 15

76. Battle's sign is indicative of

- [A] neck of femur fracture
- [B] skull based fracture
- [C] Colles' fracture
- [D] shaft of fibula fracture

77. Fournier's gangrene affects the

- [A] abdominal wall
- [B] perineal area
- [C] foot
- [D] hand

78. Clonorchis sinensis infestation within bile duct is associated with which pigment gallstones?

- [A] Cholesterol
- [B] Black
- [C] Brown
- [D] Yellow

79. All the following tests are used for hip joint examination, **except**

- [A] Thomas test
- [B] Trendelenburg test
- [C] Impingement test
- [D] Spurling test

80. All of the following are **true** about Gastric Outlet Obstruction, **except**

- [A] associated with peptic ulcer disease and gastric cancer
- [B] endoscopic biopsy is essential to exclude malignancy
- [C] the vomitus is full of bile
- [D] patient appears dehydrated



81. Arnold-Chiari malformation is **not** associated with
- [A] hydrocephalus
 - [B] spina bifida
 - [C] syringomyelia
 - [D] cauda equina syndrome
82. Swan neck deformity is found in
- [A] rheumatoid arthritis
 - [B] osteoarthritis
 - [C] gout
 - [D] arthritis due to rheumatic fever
83. Hydatid cyst is caused by
- [A] *Ecchinococcus*
 - [B] *Taenia solium*
 - [C] *Taenia saginata*
 - [D] *D. latum*
84. Serum amylase is raised in all, **except**
- [A] mesenteric infarction
 - [B] ectopic pregnancy
 - [C] acute pancreatitis
 - [D] low GIT perforation
85. Coup-contrecoup contusion is seen in injury to
- [A] brain
 - [B] lung
 - [C] liver
 - [D] bones
86. Body Mass Index for assessment of overweight among Asian-Indian population is
- [A] $\geq 23 \text{ kg/m}^2$
 - [B] $\geq 25 \text{ kg/m}^2$
 - [C] $\geq 30 \text{ kg/m}^2$
 - [D] $\geq 35 \text{ kg/m}^2$
87. Jefferson fracture occurs at
- [A] C1 vertebra
 - [B] C2 vertebra
 - [C] C3 vertebra
 - [D] C4 vertebra
88. All of the following are **true** about Meckel's diverticulum, **except**
- [A] remnant of vitellointestinal duct
 - [B] positive McBurney's sign present
 - [C] can be a source of GIT bleeding
 - [D] occurs in 2% patients
89. All are the causes of Pes Cavus, **except**
- [A] spina bifida
 - [B] Charcot-Marie-Tooth disease
 - [C] neuropathic foot
 - [D] Marfan syndrome
90. All the signs are used to clinically diagnose appendicitis, **except**
- [A] pointing sign
 - [B] psoas sign
 - [C] Homans sign
 - [D] Rovsing's sign



91. Abscesses; suppurating glands are very sensitive is an indication of which medicine?
 [A] Belladonna
 [B] Hepar Sulph
 [C] Calcarea Sulph
 [D] Silicea
92. Dry mouth; deathly sensation at point of stomach, pain in ileo-cæcal region; appendicitis is an indication of which medicine?
 [A] Iris florentine
 [B] Iris versicolor
 [C] Iris tenax
 [D] Iris germanica
93. A resolvent, externally and internally, for dissolving scar tissue, tumors, enlarged glands; lupus, strictures, adhesions. The indicated medicine is
 [A] Cholesterinum
 [B] Thuja
 [C] Thiosinaminum
 [D] Sulphur
94. Which of the following medicines is indicated in Ganglion; swelling of the wrist?
 [A] Ruta
 [B] Benzoic acid
 [C] Thuja
 [D] Calcarea fluor
95. Hæmorrhoids protrude like grapes; very sore and tender; better cold water application is an indication of which medicine?
 [A] Aloe socotrina
 [B] Collinsonia canadensis
 [C] Aesculus hippocastanum
 [D] Nux vomica
96. Which of the following medicines is indicated in Ranula with fetid breath?
 [A] Fluoric acid
 [B] Ambra grisea
 [C] Merc. sol
 [D] Merc. sulph
97. Haemorrhage : profuse, dark, grumous, from ulceration of bowels is an indication of which medicine?
 [A] Hamamelis
 [B] Kreosotum
 [C] Thlaspi bursa
 [D] Acalypha indica
98. Chief remedy for vascular tumors with dilated blood vessels and for varicose or enlarged veins is
 [A] Baryta carb
 [B] Nitric acid
 [C] Pulsatilla
 [D] Calcarea fluor
99. The medicine increases the flow of bile and specially affects thyroid, pancreas, salivary and intestinal glands is
 [A] Iris versicolor
 [B] Cholesterinum
 [C] Caulophyllum
 [D] Podophyllum
100. Which of the following medicines is indicated in Colic : after lithotomy or ovariectomy; attending abdominal section?
 [A] Nux vomica
 [B] Staphysagria
 [C] Podophyllum
 [D] Collinsonia



SEAL

SPACE FOR ROUGH WORK

SEAL



SEAL