

SEAL

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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.

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

SEAL

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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

GDMO-HOMEOPATHY**PAPER-I****SET - A**

Q.No.	ANSWER KEY
1	C
2	A
3	B
4	D
5	C
6	D
7	B
8	A
9	A
10	C
11	B
12	D
13	B
14	A
15	D
16	B
17	C
18	B
19	B
20	B
21	B
22	D
23	A
24	C
25	C
26	C
27	A
28	B
29	A
30	A
31	C
32	D
33	C
34	A
35	A

36	D
37	A
38	A
39	A
40	D
41	C
42	A
43	C
44	D
45	C
46	D
47	A
48	B
49	A
50	B
51	D
52	C
53	B
54	A
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56	A
57	B
58	A
59	C
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61	A
62	D
63	D
64	D
65	A
66	C
67	B
68	D
69	C
70	D
71	A
72	D
73	D
74	D

75	A
76	B
77	B
78	C
79	D
80	C
81	D
82	A
83	A
84	D
85	A
86	A
87	A
88	B
89	D
90	C
91	B
92	B
93	C
94	B
95	A
96	B
97	A
98	D
99	A
100	B