

SEAL

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Series :

**A**

Question Booklet No. **102574**

**GM/H/07/2024 EXAM.**

**2024**

**PAPER—II**

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**Time : 2 Hours**

**Maximum Marks : 200**

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GM/H/07/2024 EXAM. 2024/6-A

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1. Niacin is synthesized from

- [A] tryptophan
- [B] tyrosine
- [C] methionine
- [D] phenylalanine



2. The process of prevention before the onset of clinical disease to prevent its occurrence in human population is called

- [A] secondary prevention
- [B] tertiary prevention
- [C] primary prevention
- [D] quaternary prevention

3. Which of the following tests indicates the chlorine demand of water *i.e.* the amount of a particular bleaching powder needed for disinfecting a particular water source to get 1 PPM of chlorine?

- [A] Orthotolidine test
- [B] Moses test
- [C] Horrocks test
- [D] Starch-iodine test

4. Norwegian rats are the reservoir for transmission of which disease?

- [A] Trichinosis
- [B] Salmonellosis
- [C] Plague
- [D] Weil's disease

5. Under the National Immunization Programme, which of the following vaccines is administered intradermally?

- [A] Oral Polio Vaccine
- [B] BCG
- [C] DPT
- [D] Pneumococcal Conjugate Vaccine

6. The concept of classifying the victims in order to assign priorities for medical care and transportation in a disaster situation is known as

- [A] sullage
- [B] triage
- [C] mobilisation
- [D] cohort study

7. The average number of daughters that would be born to a woman if she experiences the current fertility and mortality patterns throughout her reproductive span (15-49 years) is known as

- [A] General Fertility Rate (GFR)
- [B] Total Fertility Rate (TFR)
- [C] Net Reproduction Rate (NRR)
- [D] General Marital Fertility Rate (GMFR)

8. According to the color coding scheme of biomedical waste segregation, used glass vials should be disposed in which color container?

- [A] Yellow
- [B] Black
- [C] Red
- [D] Blue

9. Sensitivity is the ability of a test to detect

- [A] false positives
- [B] false negatives
- [C] true positives
- [D] true negatives

10. The National Malaria Eradication Program was launched in the year

- [A] 1958
- [B] 1966
- [C] 1970
- [D] 1976



11. Bluish or purplish discoloration of anterior vaginal wall around 6-8 weeks after conception is known as

- [A] Hegar's sign
- [B] Chadwick's sign
- [C] Oslander's sign
- [D] Piskacek's sign

12. Match the following :

<b>Chromosomal disease</b>		<b>Anomaly</b>	
(a) Down's syndrome		1. 45, X0	
(b) Turner's syndrome		2. Trisomy 18	
(c) Edwards' syndrome		3. 47XXY	
(d) Klinefelter's syndrome		4. Trisomy 21	
(a)	(b)	(c)	(d)
[A] 2	1	3	4
[B] 4	3	2	1
[C] 4	1	2	3
[D] 3	2	4	1

13. Which of the following Leopold maneuvers is found empty in transverse lie of foetus?

- [A] Pelvic grip
- [B] Umbilical grip
- [C] Fundal grip
- [D] Pawlik's grip

14. The largest diameter of the foetal head is

- [A] occipitofrontal
- [B] mentovertical
- [C] suboccipitobregmatic
- [D] submentovertical

15. Consider the following statements regarding threatened abortion :

- I. External os is closed
- II. Passage of products of conception
- III. Pelvic pain may be present
- IV. Uterine size is smaller than age of gestation

Which of the above statements are **false**?

- [A] I and IV
- [B] II and III
- [C] I, III and IV
- [D] II and IV

16. Which of the following is **not** a parameter of Bishop's score?

- [A] Cervical effacement
- [B] Fetal station
- [C] Fetal weight
- [D] Cervical consistency

17. Which of the following statements is/are **true** regarding severe pre-eclampsia?

- I. Significant proteinuria
- II. Platelet count less than  $100,000/\text{mm}^3$
- III. Reduced creatinine and transaminase enzymes levels
- IV. Persistent systolic BP above or equal to 160 mm Hg or diastolic pressure above 110 mm Hg

Choose the **correct** answer from the codes given below :

**Codes :**

- [A] IV only
  - [B] I, II and III
  - [C] I, III and IV
  - [D] I, II and IV
18. Which of the following statements is **true** for second stage of normal labour?

- [A] There is a formation of physiological retraction ring
- [B] There is propulsion and expulsion of foetus
- [C] It generally takes longer time in multipara
- [D] Placental detachment occurs

19. Which of the following is **not** a component of triple test?

- [A] Maternal AFP
- [B] Unconjugated estriol
- [C] Inhibin-A
- [D] hCG

20. Increased fetal nuchal translucency may be indicative of

- [A] IUGR
- [B] twin pregnancy
- [C] chromosomal abnormality
- [D] macrosomic fetus



21. Investigation of choice to detect Neural Tube Defects is

- [A] nonstress test
- [B] ultrasound
- [C] pelvic X-ray
- [D] serum hCG levels

22. Couvelaire uterus is typically associated with

- [A] abruptio placentae
- [B] incomplete abortion
- [C] red degeneration of uterine fibroid
- [D] chronic cervicitis

23. Lemon sign on ultrasound is suggestive of

- [A] placenta previa
- [B] spina bifida in fetus
- [C] postpartum haemorrhage
- [D] ectopic pregnancy

24. Goodell's sign is characterized by

- [A] atrophy of cervix
- [B] vaginal atresia
- [C] softening of cervix
- [D] pruritus vulvae

25. For shivering in the first stage of labor with rigid os and severe spasmodic pain, worse from least noise, the remedy is

- [A] Caulophyllum
- [B] Pulsatilla
- [C] Sabina
- [D] Actaea racemosa

26. The most common site of tuberculosis of genital tract in females is

- [A] endometrium
- [B] cervix
- [C] fallopian tubes
- [D] ovaries



27. Gonadotropins are secreted by

- [A] hypothalamus
- [B] anterior pituitary
- [C] posterior pituitary
- [D] ovary

28. 'Clue cells' in vaginal smears are seen in women suffering from

- [A] candidiasis
- [B] trichomoniasis
- [C] atrophic vaginitis
- [D] bacterial vaginosis

29. Which of the following is **not** a feature of Kallmann syndrome?

- [A] Anosmia
- [B] Delayed puberty
- [C] Affects females more than males
- [D] Midline facial defects

30. Presence of sperms of abnormal morphology is known as

- [A] asthenospermia
- [B] teratospermia
- [C] necrozoospermia
- [D] azoospermia

31. Gold standard for investigation of tubal factors for infertility is

- [A] laparoscopy
- [B] hysterosalpingography
- [C] ultrasound
- [D] MRI

32. The most common cause of rectovaginal fistula is

- [A] endometriosis
- [B] rectal carcinoma
- [C] obstetrical trauma
- [D] inflammatory bowel disease

33. A 27-year-old female is presented with secondary amenorrhea after undergoing dilatation and curettage. The most probable diagnosis is

- [A] Mayer-Rokitansky-Küster-Hauser syndrome
- [B] Kallmann's syndrome
- [C] Turner's syndrome
- [D] Asherman's syndrome

34. Which of the following is **false** regarding uninfected Bartholin cyst?
- [A] Can cause dyspareunia
  - [B] Fluid filled lump near vaginal opening
  - [C] Causes heavy menstrual bleeding
  - [D] Can occur as a result of trauma
35. Sentinel node biopsy is most effective in the assessment of cancer of
- [A] perineum
  - [B] breast
  - [C] fallopian tubes
  - [D] vagina
36. Which of the following hormones is typically raised in Polycystic Ovary Syndrome?
- [A] 17 OH Progesterone
  - [B] Melanin Stimulating Hormone
  - [C] Luteinizing Hormone
  - [D] Thyroid Stimulating Hormone
37. Fertilization of the ovum by sperm takes place in which part of the fallopian tube?
- [A] Ampulla
  - [B] Isthmus
  - [C] Fimbriae
  - [D] Interstitial portion
38. Which of the following is **true** regarding Pap smear?
- [A] It is used for diagnosis of metastatic cervical cancer
  - [B] Pap smear should always be obtained after vaginal examination
  - [C] Best time to do Pap smear is around ovulation
  - [D] Positive Pap smear test indicates only malignant changes

39. Which of the following hormones can be used for the study of ovarian reserve?
- [A] Estrogen
  - [B] Follicle Stimulating Hormone
  - [C] Progesterone
  - [D] Anti-Müllerian Hormone
40. Thick bluish white leucorrhoea is a keynote feature of
- [A] lachesis
  - [B] kreosote
  - [C] ambra grisea
  - [D] ledum pal
41. Hepar sulphuris had been recommended by Hahnemann as an antidote for sudden poisoning by
- [A] mineral acids
  - [B] metallic poisons
  - [C] opium
  - [D] digitalis
42. Manifestations of hypoxic-ischemic encephalopathy before delivery are
- I. Increase in fetal heart rate
  - II. Acidosis in scalp blood analysis
  - III. Increased fetal movements
  - IV. IUGR
- [A] II and III
  - [B] II and IV
  - [C] III and IV
  - [D] I and IV



43. Theory of chronic disease was introduced in which edition of the *Organon of Medicine*?

- [A] Second
- [B] Third
- [C] Fourth
- [D] Fifth

44. Which of the following medicines is complementary of Stannum met?

- [A] Pulsatilla
- [B] Cuprum met
- [C] Ranunculus bulbosus
- [D] Kali sulph

45. Dyslexia is a learning disability related to

- [A] language processing skills
- [B] memory
- [C] fine motor skills
- [D] social skills

46. Autism is characterized by

- I. Qualitative impairment in verbal and non-verbal communication
- II. Progressive loss of memory
- III. Lack of imaginative activity
- IV. Lack of reciprocal social interaction

Choose the **correct** answer from the codes given below :

**Codes :**

- [A] I, II and III
- [B] I, II and IV
- [C] II, III and IV
- [D] I, III and IV



47. Which of the following statements are **correct** about Duchenne Muscular dystrophy?

- I. X-linked recessive disorder
- II. Earliest sign of weakness is in the form of hip girdle weakness
- III. Spastic paraplegia
- IV. Pseudohypertrophy of calf muscles

Choose the **correct** answer from the codes given below :

**Codes :**

- [A] I, II and III
- [B] I, II and IV
- [C] II, III and IV
- [D] I, III and IV

48. The most common cause of neonatal hypothyroidism is

- [A] inborn errors of thyroid hormone synthesis
- [B] thyroid gland dysgenesis
- [C] TSHR antibody mediated
- [D] Hashimoto's thyroiditis

49. The most common cause of acute diarrhea in infants and young children is

- [A] *Rotavirus*
- [B] *coli*
- [C] *Shigella*
- [D] *Vibrio cholerae*

50. The growth parameter considered for describing 'failure to thrive' is

- [A] height
- [B] weight
- [C] BMI
- [D] head circumference

51. Colic from eating cucumbers is a keynote feature of

[A] Allium cepa

[B] Dioscorea villosa

[C] Colocynthis

[D] Dulcamara

52. Stomach and liver symptoms associated with pain in limbs greatly aggravated by lying on the left side belong to

[A] Sulphuric acid

[B] Ptelea

[C] Zincum met

[D] Psorinum

53. Backache worse in morning before rising with craving for tobacco is a symptom of

[A] Natrum mur

[B] Calcarea carb

[C] Staphysagria

[D] Helleborus

54. Remedy for metrorrhagia occurring midway between menstrual periods, menses dark and profuse with soreness in abdomen is

[A] Arnica montana

[B] Millefolium

[C] Coccus cacti

[D] Hamamelis virginica

55. A 36-year-old diabetic patient, suffering from impotency, has longing for alcoholic liquors. He complains of a tendency for headache at high altitudes. The most appropriate remedy is

[A] Lycopodium

[B] Coca

[C] Ranunculus bulbosus

[D] Phosphoric acid

56. Which of the following remedies antidotes poisoning with Rhus and stings of insects and is inimical to Lachesis?

[A] Ammonium carb

[B] Apis mellifica

[C] Ledum pal

[D] Silicea

57. An 18-year-old female patient complains of sore throat, beginning on left side with sensation of a lump in throat and constant necessity to swallow. Warm food and drink relieve. She is thirstless and sensitive to cold. The most appropriate remedy for this patient is

[A] Belladonna

[B] Hepar sulph

[C] Rhus tox

[D] Sabadilla





58. A patient reported with diarrhoea in summer from cold drinks with sleepiness and fainting. He had great dryness of the mouth, saliva seemed like cotton. The remedy is

- [A] Aethusa cynapium
- [B] Opium
- [C] Nux moschata
- [D] Gelsemium

59. Prolapsus with weak sinking feeling in stomach. Colic relieved by hard pressure. Smell of cooking causes vomiting. These symptoms belong to

- [A] Bryonia alba
- [B] China officinalis
- [C] Pulsatilla
- [D] Stannum met

60. Excessive lachrymation during cough; cough only in day time belongs to

- [A] Dulcamara
- [B] Euphrasia
- [C] Kali bichromicum
- [D] Medorrhinum

61. Cough with thick ropy, greenish expectoration; must hold chest when coughing. Constant desire to take deep, long breath. These are indications of

- [A] Merc sol
- [B] Ignatia amara
- [C] Bryonia alba
- [D] Natrum sulph

62. 'Cough in spasmodic paroxysms, caused by dry spot in larynx with itching in chest and throat and worse at night when lying down and during pregnancy' is an indication of

- [A] Drosera rotundifolia
- [B] Hyoscyamus niger
- [C] Conium maculatum
- [D] Phosphorus



63. Match the following :

<i>Medicine</i>	<i>Common name</i>
(a) Kalmia latifolia	1. Unicorn plant
(b) Podophyllum	2. Mountain laurel
(c) Drosera	3. Mayapple
(d) Helonias dioica	4. Sundew

	<i>(a)</i>	<i>(b)</i>	<i>(c)</i>	<i>(d)</i>
[A]	3	1	2	4
[B]	2	3	4	1
[C]	4	1	2	3
[D]	3	1	4	2

64. Complementary of Rheum is

- [A] Magnesia carb
- [B] Chamomilla
- [C] Sarsaparilla
- [D] Natrum phos

65. Remedy for the tendency to gangrene following mechanical injuries, especially of old people, with tremor and weakness is

- [A] Arnica montana
- [B] Sulphuric acid
- [C] Hypericum perforatum
- [D] Crotalus horridus

66. Patient complains of chill beginning in the back between scapulae with severe pain of bones and extremities. Tongue is clean, smooth as if varnished. The indicated remedy is

- [A] Pyrogen
- [B] Terebinth
- [C] Eupatorium perfoliatum
- [D] Cina

67. Which of the following medicines is a chronic of Bryonia alba?

- [A] Alumina
- [B] Conium maculatum
- [C] Kali sulph
- [D] Gelsemium

68. Acute lancinating pain in breast cancer; breast feels drawn in. Obstinate constipation with ineffectual desire, stools of hard, round balls, like olives. The remedy is

- [A] Asterias rubens
- [B] Conium maculatum
- [C] Nux vomica
- [D] Plumbum met

69. Adapted to the most severe types of inflammation with early and persistent prostration, \_\_\_\_\_ is the remedy for pain of death; soothes the last struggles.

- [A] Belladonna
- [B] Arsenicum album
- [C] China officinalis
- [D] Tarantula cubensis

70. Removes the bad effects of iodine and excessive use of table salt. Perspiration has the odor of sulphur. The remedy is

- [A] Natrum mur
- [B] Phosphorus
- [C] Sulphur
- [D] Calcareo phos



71. The only remedy mentioned in 'Aggravation from expanding abdomen' in *Boenninghausen's Therapeutic Pocket Book* is

- [A] Ignatia amara
- [B] Rhus toxicodendron
- [C] Dioscorea villosa
- [D] Ruta graveolens

72. Which of the following rubric is found in *Boenninghausen's Therapeutic Pocket Book* but not in *Kent's Repertory*?

- [A] Avarice
- [B] Mistrust
- [C] Cheerfulness
- [D] Mildness

73. The *First Alphabetical Pocket Repertory* was published by

- [A] Boger
- [B] Hempel
- [C] Gross
- [D] Glazor

74. 'Muscae volitantes' is found in which section of Kent's *Repertory*?

- [A] Eye
- [B] Vision
- [C] Generalities
- [D] Skin



75. What would be the arrangement of rubric in a patient complaining of sensitivity of smell to the odour of eggs in 'Nose' section of Kent's *Repertory*?

- [A] Smell, acute, sensitive to odour, eggs
- [B] Sensitive to odour, acute, smell, eggs
- [C] Smell, sensitive to odour, eggs, acute
- [D] Acute, smell, sensitive to odour, eggs

76. Rubric 'Abortion' is found in which part of *Boenninghausen's Therapeutic Pocket Book*?

- [A] Abdomen
- [B] Leukorrhoea
- [C] Menses
- [D] Sexual organ

77. Hering's *Analytical Repertory* was published in the year

- [A] 1878
- [B] 1881
- [C] 1885
- [D] 1888

78. The remedy for 'Burnt feeling in face' in *Boger Boenninghausen's Characteristics and Repertory* is

- [A] Sulphur
- [B] Sepia
- [C] Cantharis
- [D] Nux vomica

79. Which of the following criteria is **not** considered in Kentian grading of symptoms?

- [A] Symptom recorded during drug proving
- [B] Confirmation by reprovving
- [C] Animal experimentation
- [D] Verification upon sick

80. "Repertory to the Symptoms of Intermittent Fever" is a work of

- [A] M. L. Tyler
- [B] W. A. Allen
- [C] C. Wesselhoeft
- [D] S. Worcester

81. Guernsey's *Card Repertory* is based on the work of
- [A] Hering
  - [B] Kent
  - [C] Boenninghausen
  - [D] Clarke

82. Which of the following statements is **true** regarding Bell's Diarrhoea?
- [A] The first edition was published in the year 1883
  - [B] Four types of gradations are used
  - [C] Total number of remedies are 125
  - [D] It is a type of concordance repertory

83. Match the following :

<b>Rubric in Kent's Repertory</b>	<b>Remedy</b>
---------------------------------------	---------------

- |   |                    |
|---|--------------------|
| (a) Extremely sensitive condylomata in rectum | 1. Stramonium      |
| (b) Giggling                                  | 2. Staphysagria    |
| (c) Affectation                               | 3. Hyoscyamus      |
| (d) Wraps up fur in summers                   | 4. Cannabis indica |

- |     | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| [A] | 1   | 4   | 2   | 3   |
| [B] | 2   | 4   | 1   | 3   |
| [C] | 1   | 2   | 3   | 4   |
| [D] | 4   | 1   | 3   | 2   |

84. The shortest chapter (pagewise) in Kent's *Repertory* is
- [A] Ear
  - [B] Vertigo
  - [C] Urethra
  - [D] Prostate gland

85. Pyromania is found in which chapter of *Boger Boenninghausen's Characteristics and Repertory*?
- [A] Mind
  - [B] Head
  - [C] Abdomen
  - [D] Skin

86. The highest order of cure in acute affections is observed in which of the following Kent's observations?
- [A] First
  - [B] Fourth
  - [C] Ninth
  - [D] Twelfth

87. In the Introduction part of *Organon*, Hahnemann has recommended which of the following remedies in the treatment of morbid symptoms of tapeworm?
- [A] Cina
  - [B] Santonine
  - [C] Male fern root
  - [D] Sulphur



88. The best form for administration of indigenous plants in drug proving is

- [A] dry powder form
- [B] freshly expressed juice mixed with little alcohol
- [C] aqueous infusion of herb
- [D] seeds

89. Which of the following articles of Hahnemann was published after the fourth edition of *Organon of Medicine*?

- [A] *Some kinds of Continued and Remittent Fevers*
- [B] *Cure and Prevention of Scarlet Fever*
- [C] *Cure and Prevention of Asiatic Cholera*
- [D] *On a proposed remedy for Hydrophobia*

90. The *posological doctrine* of 'Series in Degrees' in the treatment of the chronic diseases was given by

- [A] M. L. Tyler
- [B] H. C. Allen
- [C] R. Hughes
- [D] J. T. Kent



91. Any drug which in its natural state affects the vital energy but little will develop a proving only in

- [A] high potency
- [B] mother tincture
- [C] physiological dose
- [D] crude drug powder

92. H. A. Roberts concept of 'Auxiliary symptoms' describes

- [A] chief complaints
- [B] tautopathy
- [C] concomitant symptoms
- [D] pathological symptoms

93. Alternating action of medicine is described in

- [A] § 26
- [B] § 115
- [C] § 153
- [D] § 221

94. Administration of remedy amongst the general store of proved is the first line of treatment of

- [A] primary stage of psora
- [B] indisposition
- [C] acute tropical affections
- [D] primary stage of sycosis

95. Which of the following statements is **false** regarding Kent's eleventh observation?

- [A] Old symptoms are observed to reappear
- [B] The medicine should be antidoted immediately
- [C] Symptoms disappear in the reverse order of their appearance
- [D] If the old symptoms come back to stay, then the repetition of dose is often necessary

96. The concept of *vis medicatrix* refers to

- [A] secondary counteraction
- [B] medicinal aggravation
- [C] drug proving
- [D] nature's self-help in diseases

97. Which of the following remedies was recommended by Dr. Griesselich for iatrogenic idiosyncrasy to Sulphur?

- [A] Mercurius metallicum
- [B] Nux vomica
- [C] Nitric acid
- [D] Calcareo carbonicum



98. A patient suffering from oppression, restlessness and anxiety at night; he dreads the night because it is so oppressive. Restlessness is so great that it drives him out of bed. The predominant miasm is

- [A] psora
- [B] sycosis
- [C] syphilis
- [D] cancer

99. According to J. H. Allen, tubercular diathesis is the perfect hereditary combination of \_\_\_\_ miasms.

- [A] psora and sycosis
- [B] psora and syphilis
- [C] sycosis and syphilis
- [D] latent psora and cancer

100. Stuart Close has defined the sphere of Similia through

- [A] Dake's exclusion method
- [B] Maupertuis' law of least action
- [C] Burnett's inclusion criteria
- [D] Mill's method of inductive logic