

Booklet Series

A

Booklet Code

CSRE-22/III/PHAR

Paper Code

03

No. of Printed Pages : 12

Serial Number of the
Test Booklet**309885**

Name of the Examination :

CSRE : 2022

Roll No. : _____

Name of the Candidate : _____

Test Duration : 3 Hours**Total Questions : 100****Total Maximum Marks : 200****INSTRUCTIONS TO CANDIDATES**

1. Candidates will be admitted to the Examination Hall/Room on production of their Admit Card and Original ID such as EPIC/ Aadhaar/ Driving License with a view to establish the true identity of the candidate.
2. Candidates shall reach the venue of examination at least 30 minutes in advance and admission will be refused to a candidate who is late by 10 minutes from the start of the examination.
3. No candidate shall be permitted to leave the Examination Hall/Room until the time for the examination is over or until permitted to do so but not until the half of the allotted time.
4. Candidates must use a BLUE/BLACK ball point pen ONLY to make entries on the OMR Answer Sheet.
5. The candidates should not bring any articles (other than those specified above) such as books, notes, loose sheets, mobile phones, pagers, digital diaries, calculators, smart watches, etc. inside the Examination Hall/Room. Any candidate found in possession of the said articles will be liable to be de-barred from applying all future examinations to be conducted by the Board.
6. After receiving the Test Booklet with OMR inserted, the candidates may pull out the OMR Answer Sheet and fill in the necessary details. However the candidates are not allowed to break open the seal of the Test Booklet until the invigilator informs them to do so.
7. Mark carefully your Roll Number, Paper Code, Booklet Code and Booklet Series on the OMR Answer Sheet and signature at the appropriate place. Write your Roll Number and Name on the Question Booklet. In the absence of the Roll Number, Question Booklet Number and Question Booklet Series on the OMR Answer Sheet, it may NOT be evaluated and it may be cancelled.
8. The entire Test is of Objective Type Questions comprising 100 questions.
9. Candidates must check that the Question Booklet contains 100 multiple choice questions. If any discrepancy found, report to the invigilator immediately.
10. Candidates will also keep in mind that there is negative marking for (-0.33%) every wrong answer i.e 0.66 marks.
11. Rough work may be done on the space provided in this Question Booklet, but not on the OMR Answer Sheet.
12. In the event of a mistake made in marking the Roll Number in the OMR Answer Sheet or the OMR Series the candidates will not be given a new OMR Answer Sheet but he/she will be allowed to use whitener or correcting fluid for correction of the Roll Number and the Booklet Series only.
13. Change of answer will not be permitted in the OMR Answer Sheet. Using of correcting fluid (of any sort) will be treated as wrong attracting negative marking.
14. The candidates must abide by such instructions as may be specified on the cover of the Answer Paper or instructions to candidates given at the back of the Admit Card. If a candidate fails to do so or indulges in improper conduct, he/she will render himself/herself liable to expulsion from the examination or such other punishment as the Board deemed fit to impose.
15. At the end of the Test, candidates must submit the OMR Answer Sheet to the invigilator on duty. Candidates shall be allowed to take their Question Booklet only after the end of the examination session.
16. Any candidate found to be intoxicated with alcohol and/or psychotropic substances will be expelled from the Examination Hall/Room.
17. Examination centre once opted cannot be changed.

PLEASE REFER THE BACKSIDE OF THE QUESTION BOOKLET FOR MORE INSTRUCTIONS.**SEAL**

1. A phenazine dye which is anti-leprotic and anti-inflammatory is :
 (A) Dapsone (B) Ethionamide
 (C) Clofazimine (D) Rifamycin
2. Posology deals with :
 (A) Social Pharmacy
 (B) Dose calculation
 (C) Powders
 (D) Psychology
3. The drug useful in alcohol abstinence is _____.
 (A) Disulfiram (B) Propranolol
 (C) Atropine (D) Tubocurarine
4. Which disease is being spread through worms ?
 (A) Filariasis (B) HIV
 (C) Amoebiasis (D) Leprosy
5. What is the colour due to molisch test for sugar ?
 (A) Red-Violet (B) Blue
 (C) Yellow (D) Black
6. Change in DNA sequence is called as
 (A) Grafting
 (B) Polyploidy
 (C) Formation of callus
 (D) mutation
7. Which of the following is/are example of Aromatic compound ?
 (A) Phenylamine (B) Nitrobenzene
 (C) Phenol (D) All of these
8. The drug useful in Parkinson's disease is :
 (A) Levodopa
 (B) Chlorpromazine
 (C) Salbutamol
 (D) Procaine
9. What is the maximum benefit under Pradhan Mantri Jan Arogya Yojana ?
 (A) 1 Lakh (B) 5 Lakh
 (C) 7 Lakh (D) 10 square meter
10. What is the main purpose of Zinc Stearate ?
 (A) Covid-19 treatment
 (B) Lubricants
 (C) Antimicrobial drugs
 (D) Health tonic
11. Which reagent is being used for identification of sulphate presence ?
 (A) NaCl (B) BaCl₂
 (C) H₃PO₄ (D) AgNO₃
12. Which of the following is measured using Biuret test ?
 (A) Only Carbohydrates
 (B) Only Proteins
 (C) Both carbohydrates and proteins
 (D) None of these
13. Which class of drugs can cause a birth-defects by permanently altering the structure and functions of organs ?
 (A) Teratogens (B) Allergens
 (C) Hallucinogens (D) Enzymes
14. British anti lewisite is used as an antidote for : _____.
 (A) Cyanide poisoning
 (B) Drug poisoning
 (C) Arsenic poisoning
 (D) Food poisoning

15. What is a common contamination in Talcum powder ?
 (A) E. Coli (B) S Aureus
 (C) C Tetani (D) P Aeruginosa
16. How antimalarial drug chloroquine acts by ?
 (A) Inhibiting heme polymerase
 (B) Inhibiting DNA-dependant RNA polymerase
 (C) Activating heme polymerase
 (D) Inhibiting schizont of the parasites
17. What is the treatment for morphine poisoning ?
 (A) Naltrexone (B) Nalorhine
 (C) Naloxone (D) Nambutone
18. Derivatives of which metals is commonly used to treat hyper-acidity of stomach ?
 (A) Aluminium
 (B) Zinc
 (C) Iron
 (D) Calcium
19. An example of stimulant of Central nervous system is _____.
 (A) Amphetamine
 (B) Phenobarbitone
 (C) Oxazepam
 (D) Lithium
20. What is the colour of AgCl_2 in water ?
 (A) White (B) Red
 (C) Black (D) Yellow
21. Which of the following is an example of disaccharide ?
 (A) Galactose
 (B) Lactose
 (C) Fructose
 (D) All of these
22. What is the staining colour of Gram-positive bacteria ?
 (A) Blue (B) Red
 (C) Black (D) White
23. The treatment approach of Myasthenia gravis includes the use of _____.
 (A) An antidepressant drug
 (B) Immunostimulants
 (C) Sympatholytic
 (D) Anticholinesterases
24. GMP are _____.
 (A) Good Manufacturing Practice
 (B) Grey market premium
 (C) Guanosine monophosphate
 (D) Gay Midget Porn
25. What roles does Melatonin play ?
 (A) Sleep cycle (B) Hunger
 (C) Digestion (D) Growth
26. Which of the following drug is used for treatment of asthma and bronchitis ?
 (A) Colchicine (B) Aloe
 (C) Amla (D) Cascara
27. Which of the following process is/are used for desalination of sea water ?
 (A) Only distillation
 (B) Only reverse osmosis
 (C) Both distillation and reverse osmosis
 (D) None of these
28. Which drug is related to Gynecomastia as a side effect ?
 (A) Cimetidine (B) Pirenzepine
 (C) Omeprazole (D) Carbenoxolone

29. Rauwolfia serpentina belongs to which of the following ?
 (A) Apocynaceae (B) Euphorbiaceae
 (C) Solanaceae (D) Liliaceae
30. _____ is the most serious and common side effect of insulin.
 (A) Flatulence
 (B) Urinary tract infections
 (C) Hypoglycemia
 (D) Hyperglycaemia
31. CaOCl_2 is used in :
 (A) Calcium deficiency
 (B) Plastering of bones
 (C) Colouring agent
 (D) Water treatment
32. Which of the following drugs is penicillinase resistant ?
 (A) Cloxacillin (B) Neomycin
 (C) Acyclovir (D) Erythromycin
33. In which type an Ethosuximide is clinically effective ?
 (A) Absence seizures
 (B) Asthama
 (C) Simple partial seizures
 (D) Myoclonic seizures
34. What is the purpose of using Ammonium chloride in a syrup ?
 (A) Expectorant
 (B) Preservatives
 (C) Sedative
 (D) Cough-suppressant
35. An example of HMG-CoA reductase inhibitor is _____.
 (A) Atorvastatin
 (B) Cholestyramine
 (C) Rosuvastatin
 (D) Pravastatin
36. Topically used Calamine lotion is an example of which type of preparation ?
 (A) Emulsion
 (B) Suspension
 (C) Liniments
 (D) Tincture
37. What is in a combination of Cotrimoxazole ?
 (A) Sulphadoxine + trimethoprim
 (B) Sulphamethoxazole + pyrimethamine
 (C) Sulphamethoxazole + trimethoprim
 (D) Sulphamethoxazole + iclaprim
38. Which of the following hormone that lowers cAMP concentration in liver cells ?
 (A) Insulin (B) Epinephrine
 (C) Thyroxin (D) All of these
39. Spectrophotometrically, protein absorbs maximally in UV range at which of the following ?
 (A) 540 nm (B) 280 nm
 (C) 160 nm (D) 410 nm
40. Which of the following prevents uric acid synthesis by inhibiting xanthine oxidase ?
 (A) Allopurinol
 (B) Probenecid
 (C) Colchicine
 (D) All of these
41. What may be maximum quantity of alcohol in a tincture ?
 (A) 20% (B) 75%
 (C) 60% (D) 90%

42. What is the properties of Isotopes atoms are ?
 (A) Same atomic Mass
 (B) Same atomic structure
 (C) Same colours
 (D) Same numbers of protons
43. What is an example of Opium poppy ?
 (A) Dried extract
 (B) Dried latex
 (C) Gummy exudate
 (D) Dried juice
44. Glucuronide conjugation is an example of _____ reaction.
 (A) Phase I (B) Phase II
 (C) Oxidation (D) Reduction
45. _____ is used for maintaining Isotonicity of injectables during manufacturing process.
 (A) Glucose (B) NaCl
 (C) Dextrose (D) KCl
46. Colchicine is commonly used for treating _____.
 (A) Hybridization
 (B) amoebic dysentery
 (C) Gout
 (D) Chemical races
47. What is the pH Value of human tear ?
 (A) 7.4 (B) 7.2
 (C) 7 (D) 6.8
48. Why is a D-Value calculated for ?
 (A) To determine Death rate
 (B) To determine assay value of Drugs
 (C) Dose calculation
 (D) To define resistance against sterilization agents
49. Which one is the most lethal radiation ?
 (A) X-ray radiation
 (B) UV ray radiation
 (C) Infra-Red radiation
 (D) Gamma- radiation
50. What is the space required for opening a pharmacy store ?
 (A) 120 foot
 (B) 120 meter
 (C) 120 square foot
 (D) 120 square meter
51. 1,10-Phenanthroline is being used for the assay of which ion ?
 (A) Ferrous (B) Arsenic
 (C) Ammonia (D) Citrate
52. Which of the following is/are symptoms of Hypocalcemia ?
 (A) Muscle cramps
 (B) Dry skin
 (C) Brittle nails
 (D) All of these
53. Which of the following drug is used as purgative ?
 (A) Rhubarb (B) Rivastigmine
 (C) Foxglove (D) digitalis
54. Deficiency of which of the following vitamin causes Beriberi?
 (A) A₇
 (B) B₁
 (C) K₁₂
 (D) E₆

55. If the effect of the combination of two drugs is equal to the sum of their individual effects, the two drugs are exhibiting _____.
- (A) Potentiation
(B) Synergism
(C) Cross tolerance
(D) Antagonism
56. Cannabis sativa is used in which of the following ?
- (A) Bronchodilator
(B) vomiting
(C) Fever
(D) Analgesic
57. Which one is a coumarin anticoagulant ?
- (A) Busulfan (B) Heparin
(C) Warfarin (D) Aspirin
58. Cachets are example of :
- (A) Monophasic liquid dosage form
(B) Solid dosage form
(C) Semisolid dosage form
(D) Biphasic liquid dosage form
59. Preformed Vitamin A is obtained from which of the following ?
- (A) Liver (B) Eggs
(C) Fish (D) All of these
60. Which of the following drugs is used in Alzheimer's disease ?
- (A) Dihydroergotamine
(B) Rivastigmine
(C) Ergotamine
(D) Ergometrine
61. Which emulsion appears as a transparent formulation ?
- (A) O/W emulsion
(B) W/O emulsion
(C) Multiple emulsions
(D) Microemulsion
62. Which of the following is an aldotriose ?
- (A) Erythrose
(B) Dihydroxyacetone
(C) Glyceraldehyde
(D) Both erythrose and dihydroxyacetone
63. In which of the following diseases shark liver oil is used for the treatment of ?
- (A) Xerophthalmia (B) Leprosy
(C) Eczema (D) Psoriasis
64. Which of the following drugs is used in migraine attacks ?
- (A) Ergotamine (B) Taxol
(C) Cardamom (D) Rhubarb
65. What is the end colour of Methyl orange indicator in the titration-process ?
- (A) Yellow (B) Orange
(C) Pink (D) Red
66. Barium Sulphate is being used as :
- (A) Anti-microbial agent
(B) Anti-diarrhoeal drug
(C) Radio-opaque contrast media
(D) Treatment of Cancer
67. What is related to Pharmacokinetics ?
- (A) What our body does to the drugs.
(B) Determining the rate and extent of absorption
(C) What the drug does to the our body
(D) Determining the rate of metabolism

68. Calcium Pantothenate is a drug which can be categorised as _____.
- (A) Calcium replenisher
(B) Calcium supplement
(C) Vit-B Enzyme Co-factor
(D) Pharmaceutical aids
69. What is the count of significant figures in 0.0240 ?
- (A) 2 (B) 5
(C) 4 (D) 3
70. Which of the following is/are example of an antibiotic ?
- (A) Metronidazole
(B) Aspirin
(C) Brufen
(D) Both Metronidazole and Brufen
71. Which of the following is/are sulphur containing amino acids ?
- (A) Methionine
(B) Cysteine
(C) Both Methionine and Cysteine
(D) None of these
72. Which agent is being used as desensitizing agent in the toothpaste ?
- (A) Strontium
(B) Fluoride
(C) Calcium carbonate
(D) Dicalcium Phosphate
73. Consumption of iodized salt is recommended for prevention of which of the following ?
- (A) Hypertension
(B) Endemic goitre
(C) Night blindness
(D) All of these
74. Which of the following drugs belongs to the macrolides class ?
- (A) Neomycin (B) Doxycycline
(C) Erythromycin (D) Cefotaxime
75. In which of the following diseases, foxglove leave is used for the treatment of ?
- (A) Fever
(B) Congestive heart failure
(C) Diabetes
(D) Skin disease
76. What % of alcohol is equivalent to 100 Proof spirit as per Indian Law ?
- (A) 57.10% (B) 75%
(C) 90% (D) 100%
77. Hydrochloric acid is an example of which of the following one ?
- (A) Liquid in a liquid
(B) Gas in a liquid
(C) Gas in a gas
(D) Hair Gel
78. Insulin has the ability to stimulate which of the following ?
- (A) Only glycogen synthesis
(B) Only muscle protein synthesis
(C) Both glycogen synthesis and muscle protein synthesis
(D) None of these
79. Borntragers test is used for ?
- (A) Alkaloids
(B) Volatile oils
(C) Anthraquinones
(D) Flavonoids

80. Neem oil is obtained from :
- Oryza sativa
 - linum usitatissimum
 - Azadirachta indica
 - arachis hypogaea
81. Iodometric-titration is for the assay of which atom ?
- Copper
 - Iodine
 - Potassium
 - Starch
82. Which of the following are drugs from roots and underground parts ?
- Ephedrine
 - Asafoetida
 - Santonin
 - Papain
83. A drug used for influenza A prevention is :
- Acyclovir
 - Neurotoxicity
 - Ototoxicity
 - Rimantadine
84. Who is being responsible for publishing the "National Formulary of India (NFI)"?
- PCI
 - MCI
 - IPC
 - IPA
85. Lowering of IQ and Memory is mainly due to deficiency of _____.
- Iron
 - Calcium
 - Iodine
 - Zinc
86. Which of the following antimicrobial compound is found in tears ?
- Only Zymase
 - Only Lysozyme
 - Both Zymase and Lysozyme
 - None of these
87. Kwashiorkor results because of deficient intake of which of the following ?
- Protein
 - Essential fatty acids
 - Calories
 - Both calories and protein
88. Which of the following produce Somatostatin ?
- Hypothalamus
 - Pancreas
 - Central nervous system
 - All of these
89. Change in the crystallinity of herbal drugs is an example of :
- Physical incompatibility
 - Chemical incompatibility
 - Physiological incompatibility
 - Therapeutic incompatibility
90. Which of the following is the essential metal ion associated with nitrate reductase complex ?
- Only Iodine
 - Only Molybdenum
 - Both Iodine and Molybdenum
 - None of these
91. _____ is obtained from Ananas comosus.
- Papain
 - Streptokinase
 - Bromelain
 - Serratiopeptidase

92. Which drug is being used as an antidote in Cyanide poisoning ?
- (A) NaNO_2 (B) ZnO
 (C) MgSO_4 (D) KMnO_4
93. The Latin term "Signa" in the medical prescription means :
- (A) Label (B) Signature
 (C) Signals (D) Solution
94. Good-Manufacturing-Practices (GMP) come under which schedule ?
- (A) Schedule G (B) Schedule M
 (C) Schedule P (D) Schedule Z
95. Cinchona bark belongs to which of the following ?
- (A) Rubiaceae (B) Solanaceae
 (C) Rutaceae (D) Liliaceae
96. Which of the following inhibits synthesis of Prostaglandins ?
- (A) Aspirin
 (B) Arsenic
 (C) Fluoride
 (D) Both arsenic and fluoride
97. Which preparation comes under sterile category ?
- (A) Eye drops
 (B) Paediatric syrups
 (C) Dusting powders
 (D) Hair Gel
98. What is the role of Bismuth subsalicylate as a treatment drug ?
- (A) Skin disorders
 (B) Diarrhoea
 (C) Mouth wash
 (D) Dental infection
99. Which of the following drugs is under the category of 8-aminoquinoline ?
- (A) Doxycycline
 (B) Diarrhoea
 (C) Mouth wash
 (D) Dental infection
100. Which preparation shouldn't be applied to broken skin ?
- (A) Emulsion (B) Suspension
 (C) Tincture (D) Liniments

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