

159/2025

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

Total No. of questions : 100

Time : 1 Hour 30 Minutes

Maximum : 100 Marks

INSTRUCTIONS TO CANDIDATES

1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. A, B, C & D.
2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
6. The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**
10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball-Point Pen in the OMR Answer Sheet.
11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.**
12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

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1. Surgical powders are sterilised by :
 - (A) Moist heat sterilisation
 - (B) Dry heat sterilisation
 - (C) Tyndallisation
 - (D) Moist heat in presence of bactericide
2. In an autoclave, water boils at a temperature :
 - (A) Greater than 100°C
 - (B) 100°C
 - (C) Below 100°C
 - (D) Super critical temperature of water
3. Which among the following cannot be used for the sterilisation of packed materials?
 - (A) High speed electrons
 - (B) Gamma rays
 - (C) Ultra violet rays
 - (D) X-rays
4. Advantage of Ethylene oxide sterilisation
 - (A) Fast process
 - (B) No hazard of in flammability
 - (C) In expensive and low running cost
 - (D) Does not damage moisture sensitive substances
5. Air entrapment among the granules during compression may lead to
 - (A) Picking
 - (B) Capping
 - (C) Sticking
 - (D) Mottling
6. The disintegration time limit for conventional sugar coated tablet :
 - (A) 60 minutes
 - (B) 30 minutes
 - (C) 15 minutes
 - (D) 5 minutes
7. The polymer that can be used for enteric coating :
 - (A) Methyl hydroxy ethyl cellulose
 - (B) Povidone
 - (C) Poly vinyl acetate phthalate
 - (D) Poly ethylene glycol

8. After compression, in a conventional tableting machine :
- (A) Upper punch remain stationary, and lower punch moves up
 - (B) Upper punch remain stationary and lower punch drops down
 - (C) Upper and lower punches move down.
 - (D) The upper punch and lower punch move up
9. The smallest size of capsule shell :
- (A) Size 000
 - (B) Size 3
 - (C) Size 5
 - (D) Size 1
10. Ideally, hard gelatin capsule shell should contain _____% of moisture.
- (A) 2 to 5
 - (B) 12 to 15
 - (C) 1 to 2
 - (D) 25 to 30
11. Pick out the correct statement :
- (A) The maximum quantity of eye ointment that can be packed in a single container is 5 gram
 - (B) Test for sterility is not mandatory for eye ointments
 - (C) Eye ointments should not contain antioxidants
 - (D) Eye ointments should not contain preservatives
12. pH range of Dextrose injection I.P :
- (A) 7 to 7.5
 - (B) 3.5 to 6.5
 - (C) 7.5 to 8.5
 - (D) None of the above
13. Which among the following is an antiperspirant?
- (A) Aluminium chlorohydrate
 - (B) Selenium disulphide
 - (C) Barium sulphide
 - (D) Sodium lauryl sulphate
14. Which among the following is not an ingredient of liquid paraffin emulsion I.P?
- (A) Vanillin
 - (B) Glycerine
 - (C) Chloroform water
 - (D) Sodium benzoate
15. Which among the following is NOT a cationic emulsifying agent?
- (A) Cetyl tri methyl ammonium bromide
 - (B) Benzalkonium chloride
 - (C) Tri ethanol amine stearate
 - (D) Benzethonium chloride

16. Pick out the wrong statement :
- (A) Certain surfactants can be used as flocculating agents
 - (B) The effectiveness of an electrolyte in flocculation depends on the valence of its ion
 - (C) Sediment is formed rapidly in flocculated suspensions
 - (D) Electrolytes added as flocculants should have the same charge as that of the dispersed phase particles
17. In diffusible solid among the following :
- (A) Rhubarb powder
 - (B) Magnesium tri silicate
 - (C) Kaoline
 - (D) Calamine
18. Di calcium phosphate in tooth paste serve as a :
- (A) Detergent
 - (B) Polishing agent
 - (C) Preservative
 - (D) Humectant
19. Pick out the wrong statement :
- (A) Oily suspensions cannot be given by the IM route
 - (B) Oily solutions can be given by the IM route
 - (C) Intra thecal injections are injected into sub arachnoid space
 - (D) Intra thecal injections should be isotonic
20. Among the following, the preservative concentration allowed in eye drops is lowest for :
- (A) Benzalkonium chloride
 - (B) Chlorbutol
 - (C) Chlorhexidine acetate
 - (D) Phenyl mercuric nitrate
21. The calcium compound used topically in the treatment of burns by hydrofluoric acid :
- (A) Calcium lactate
 - (B) Calcium hydroxide
 - (C) Calcium gluconate
 - (D) Calcium phosphate
22. Substance added as a stabilizer for aqueous solutions of mild silver protein :
- (A) Sodium benzoate
 - (B) Kaolin
 - (C) Bentonite
 - (D) Disodium calcium edetate
23. The concentration of iodine in strong iodine solution I.P. is :
- (A) 2.0% w/v
 - (B) 5.0% w/v
 - (C) 6.0% w/v
 - (D) 10% w/v

24. Tartar emetic is :
 (A) Sodium potassium tartrate (B) Antimony potassium tartrate
 (C) Selenium potassium tartrate (D) Aluminium potassium tartrate
25. Antidote for iron poisoning is :
 (A) Penicillamine (B) Desferrioxamine
 (C) EDTA (D) Dimercaprol
26. Spirit of salt is the synonym for :
 (A) Hydrochloric acid (B) Hydrofluoric acid
 (C) Hydroiodic acid (D) Hypophosphorus acid
27. The content of chlorine in chlorinated lime should be not less than :
 (A) 10% w/w (B) 20% w/w
 (C) 30% w/w (D) 40% w/w
28. Sodium nitrite is an example of :
 (A) Physiological antidote (B) Mechanical antidote
 (C) Chemical antidote (D) Physical antidote
29. Drugs which expel bronchial secretions are called :
 (A) Astringents (B) Antitussives
 (C) Emetics (D) Expectorants
30. Argyria occurs due to excessive deposition of _____ in our body :
 (A) Gold (B) Silver
 (C) Copper (D) Lead
31. Drug of choice for treatment of typhoid fever :
 (A) Cephalexin (B) Chlortetracycline
 (C) Chloramphenicol (D) Chlorambucil
32. Co-trimoxazole consists of trimethoprim and sulphamethoxazole in the ratio :
 (A) 1 : 2 (B) 1 : 3
 (C) 1 : 4 (D) 1 : 5
33. Fluorouracil is a :
 (A) Purine analogue (B) Pyrimidine analogue
 (C) Pteridine analogue (D) Folic acid analogue

34. Ototoxicity and nephrotoxicity are the main adverse effects of :
 (A) β -lactam antibiotics (B) Macrolide antibiotics
 (C) Aminoglycoside antibiotics (D) Tetracycline antibiotics
35. Example of Alpha-adrenergic blocker :
 (A) Tolazoline (B) Propranolol
 (C) Practolol (D) Acebutolol
36. The antibiotic not produced by the genus streptomyces :
 (A) Neomycin (B) Gentamicin
 (C) Erythromycin (D) Amphotericin
37. All of the following are antimalarial drugs except :
 (A) Pyrazinamide (B) Pyrimethamine
 (C) Primaquine (D) Proguanil
38. Librium is the trade name of :
 (A) Chlorpromazine (B) Prochlorperazine
 (C) Trifluoperazine (D) Chlordiazepoxide
39. _____ is a cholinesterase reactivator.
 (A) Pyridostigmine (B) Pralidoxime
 (C) Pilocarpine (D) Physostigmine
40. Anti neoplastic antibiotic :
 (A) Lincomycin (B) Spectinomycin
 (C) Dactinomycin (D) Vancomycin
41. Commercial source of digoxin :
 (A) *Digitalis purpurea* (B) *Digitalis lutea*
 (C) *Digitalis lanata* (D) *Digitalis thapsi*
42. Family of *Commiphora molmol* :
 (A) Burseraceae (B) Leguminosae
 (C) Gentianaceae (D) Liliaceae
43. Sulphuric acid and Forhde's reagent with emetine gives :
 (A) Red colour (B) Bright green colour
 (C) Pink to red colour (D) Yellow colour

44. Crow fig is the synonym of :
 (A) Ergot (B) Gokhru
 (C) Nutmeg (D) Nux vomica
45. Tinnaveli senna consists of the dried leaf lets of :
 (A) *Cassia obovata* (B) *Cassia auriculata*
 (C) *Cassia angustifolia* (D) *Cassia acutifolia*
46. The glycoside present in cinchona :
 (A) Quinovin (B) Cinchonine
 (C) Neriifolin (D) Carbenoxolone
47. Number of secondary ridges present in fennel :
 (A) 4 (B) 5
 (C) 6 (D) No secondary ridges
48. Which of the following is a diuretic drug?
 (A) Punarnava (B) Guggul
 (C) Curcuma (D) Castor oil
49. Combined umbelliferon test is positive for :
 (A) Periwinkle (B) Bishop's weed
 (C) Devil's dung (D) St. Johns Wort
50. Hydnocarpic acid is the main constituent present in :
 (A) Gynocardia oil (B) Adeps lane
 (C) Cacao butter (D) Margosa oil
51. Tranexaemic acid is used in :
 (A) Menorrhagia (B) Venous thrombosis
 (C) Pulmonary embolism (D) Stroke
52. Clindamycin act by :
 (A) 50 S ribosomal inhibition (B) DNA gyrase inhibition
 (C) 30 S ribosomal inhibition (D) Mycolic acid synthesis inhibition
53. Cheese reaction is associated with :
 (A) SSRIs (B) MAO inhibitors
 (C) Tricyclic anti depressants (D) Opioids

54. Drugs or biological products which are used for the diagnosis or treatment of rare diseases are called as :
- (A) Rare drugs (B) Pro drugs
(C) Orphan drugs (D) Hit and run drugs
55. The specific antidote of methanol poisoning :
- (A) Disulfiram (B) Clonidine
(C) Fomepizole (D) Naltrexone
56. A purine nucleotide having rapid and short antiarrhythmic action :
- (A) Bretylium (B) Adenosine
(C) Diltiazem (D) Amiodarone
57. Which of the following is a systemic antacid?
- (A) Aluminium hydroxide (B) Magnesium Hydroxide
(C) Sodium bicarbonate (D) Calcium carbonate
58. Example for loop diuretic is :
- (A) Acetazolamide (B) Spirinolactone
(C) Hydrochlorothiazide (D) Torsemide
59. Which of the following Anticholinergic esterase inhibitors used for the treatment of Alzheimer's diseases?
- (A) Ambenonium (B) Physostigmine
(C) Edrophonium (D) Tacrine
60. An example for alpha-glucosidase inhibitor hypoglycemic drug :
- (A) Chlorpropamide (B) Glipizide
(C) Acarbose (D) Glimepiride
61. Which of the following is not an ex-officio member of Pharmacy Council of India?
- (A) The Director General of Health Services
(B) The Director of Central Drug Laboratories
(C) The Drug Controller of India
(D) The Director of Pharmacopoeia Laboratory

- 62.** The Schedule of Life Period of Drug is:
 (A) Schedule - Q (B) Schedule - P
 (C) Schedule - A (D) Schedule - C₁
- 63.** The Chairman of the Drug Technical Advisory Board is:
 (A) The Drug Controller of India
 (B) The Director, Central Drug Laboratory, Kolkata
 (C) The President, Pharmacy Council of India
 (D) The Director General of Health Services
- 64.** The State Pharmacy Council should have the following no. of elected members:
 (A) Six (B) Nine
 (C) Five (D) Seven
- 65.** Schedule 'D' as per D&C act is Concerned with:
 (A) List of drugs exempted from the provision of import of drugs
 (B) Diseases and ailments which drug may not purport to prevent or cure
 (C) Requirements of factory premises
 (D) List of Prescription drugs.
- 66.** If a drug contains color which is not prescribed is called :
 (A) Spurious (B) Misbranded
 (C) Veterinary drugs (D) Schedule- C drugs
- 67.** Minimum Age Prescribed for registration as Pharmacist is:
 (A) 21 years (B) 16 years
 (C) 18 years (D) 17 years
- 68.** Drug Inspector is appointed under the act of :
 (A) 19 of IPC (B) 21 of IPC
 (C) 42 of IPC (D) 48 of IPC
- 69.** The Drug samples taken by Drug inspector for Analysis are sending to :
 (A) Drug Controller (B) Govt. Analyst
 (C) Chemical Analyst (D) Testing Laboratories
- 70.** The schedule in D&C Act that deals with the standards of Disinfectant fluids are :
 (A) Schedule-B (B) Schedule-F
 (C) Schedule-O (D) Schedule-M

71. How much is the minimum space required to open a new Drug Store?
 (A) 90-100 sq ft (B) 150-250 sq ft
 (C) 50-150 sq ft (D) 100-300 sq ft
72. Given the following which is not an ideal place for Opening a Dew Drug Store :
 (A) Developing Areas (B) Near Hospitals
 (C) Flow of Traffic (D) Business Locality
73. Before allowing Credit, which of the following essential information must be obtained about the Client :
 (A) His Character (B) His Capacity
 (C) His Capital (D) All of these
74. Inventory consists of the following :
 (A) Raw materials (B) In-Progress Goods
 (C) Finished Products (D) All of these
75. Minimum Stock level is known :
 (A) Buffer level (B) Danger level
 (C) Ordering level (D) Re-Order level
76. Bin card is maintained by :
 (A) Accountant (B) Store Keeper
 (C) Both (A) and (B) (D) Branch Manager
77. The level is below the minimum stock level is called:
 (A) Re-order level (B) Maximum stock level
 (C) Danger level (D) Safety level
78. According to perpetual inventory system the record is the following type :
 (A) Bin card (B) Store ledger
 (C) Data card (D) Physical stock verification
79. Which techniques are used for sale promotion?
 (A) Coupons (B) Fair and exhibition
 (C) Trading stamp (D) All above

80. Mixed Bank is a combination of :
- (A) Commercial bank and Industrial Bank
 - (B) Savings Bank and Co-operative Bank
 - (C) Exchange Bank and Import Export Bank
 - (D) Land development Bank and Savings Bank
81. Limulus Ameobocyte lysate test is used to detect :
- (A) Bacteria
 - (B) Fungi
 - (C) Virus
 - (D) Pyrogens
82. _____ is considered as suitable containers for parenterals.
- (A) Soda-lime glass
 - (B) Silica treated glass
 - (C) Soda-lime treated glass
 - (D) Type III glass
83. The size of multiple dose container parenteral is limited to _____ ml by USP.
- (A) 25
 - (B) 30
 - (C) 40
 - (D) 50
84. Cryoprotectants is used in parenterals as :
- (A) To prevent freezing damage
 - (B) To protect from microorganism
 - (C) To stabilize from chemical degradation
 - (D) To prevent irritation
85. Systematic review of randomized control trials is an example of _____ source of drug information.
- (A) Original
 - (B) Primary
 - (C) Secondary
 - (D) Tertiary
86. _____ is not a WHO drug selection criteria to add new drugs into drug formulary.
- (A) Cost-benefit ratio
 - (B) Single compounds
 - (C) On the WHO essential drug list
 - (D) Combination compounds

87. Usually who will be the chairman of pharmacy and therapeutic committee :
- (A) Pharmacist (B) Physician
(C) Nurse (D) Hospital administrators
88. Pharmacy and therapeutic committee should meet regularly atleast _____ times in a year.
- (A) 2 (B) 4
(C) 6 (D) 8
89. Complete floor stock system is an example of _____ drug distribution.
- (A) In patient drug distribution system
(B) Outpatient drug distribution system
(C) Both (A) and (B)
(D) Individual drug distribution system
90. In inventory control the term Reserve stock means :
- (A) Normal lead time consumption
(B) Excess usage requirement during normal lead time
(C) Stock for usage at normal late
(D) Minimum stock to be maintained
91. _____ is a cause of pharmaco dynamic drug interactions.
- (A) Alteration in GI motility (B) Excessive protein binding
(C) Enzyme induction (D) Receptor site interaction
92. _____ is associated with the withdrawal of a medicine.
- (A) Type A ADR (B) Type B ADR
(C) Type E ADR (D) Type C ADR
93. _____ is an example of category X drugs for pregnancy.
- (A) Isotretinoin (B) Doxylamine
(C) Bisacodyl (D) Docusate

94. Poor bio availability means the drug is :
(A) Non ionized drugs (B) Highly ionized drugs
(C) Drugs in amorphous form (D) Salts of weakly acidic drugs
95. First line antidote for beta blocker toxicity is :
(A) Glucagon (B) Thiamine
(C) Pralidoxime (D) EDTA
96. Normal HbA1C level is _____
(A) 7.6-8.6% (B) 8.6-9.6%
(C) Below 5.6% (D) 9.6-10.6%
97. A person is stage II hypertensive if his BP is _____ as per JNC-7 classification.
(A) 125/80 mm of Hg (B) 135/85 mm of Hg
(C) 145/95 mm of Hg (D) 165/105 mm of Hg
98. Coma cocktail antidote refers to Intravenous administration of :
(A) Naloxone, tannic acid, nor adrenaline
(B) Dextrose, naloxone, thiamine
(C) Isoprenaline, magnesium oxide, thiamine
(D) Adrenaline, folic acid, naloxone
99. _____ is the antidote for organophosphates poisoning.
(A) Anticholinergics (B) Cholinergics
(C) Adrenergics (D) Anti adrenergics
100. Urea breath test is to diagnose :
(A) E. coli infection (B) Streptococcal infection
(C) H.pylori infection (D) Klebsiella pneumoniae infection

SPACE FOR ROUGH WORK

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