

106/2021

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

30009

Total Number of Questions : 100

Time : 75 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 Assistant Superintendent in the examination hall 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 Assistant Superintendent in the examination hall 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 Assistant Superintendent in the examination hall 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.

SEAL

106/2021

1. In which World Cup did Maradona score the hand of God ?
(A) 1982 (B) 1984 (C) 1986 (D) 1988
2. Who among the following won Nobel prize for CRISPR gene editing ?
(A) Gregg L. Semenza (B) Jennifer Doudna
(C) Akira Yoshino (D) Andrea Ghez
3. Which article in DPSP directs the state to ensure the protection and improvement of environment and to safeguard forests and wildlife ?
(A) 48A (B) 52 (C) 44 (D) 47A
4. Which is the first state to implement GST ?
(A) Mizoram (B) Assam (C) Manipur (D) Tripura
5. Central Marine Fisheries Research Institute is located at :
(A) Chennai (B) Bangalore (C) Kochi (D) Mumbai
6. When was the Balwant Rai Mehta Committee appointed ?
(A) 1959 (B) 1957 (C) 1964 (D) 1966
7. First Indian city to feature female pedestrian signage in traffic signal :
(A) Mumbai (B) Pune (C) Lucknow (D) New Delhi
8. Who is the author of 'Comala' ?
(A) Subhash Chandran (B) K.P. Ramanunni
(C) N.S. Madhavan (D) Santhosh Eichikkanam
9. Longest Parva in Mahabharata.
(A) Stri Parva (B) Udyoga Parva
(C) Shanti Parva (D) Sabha Parva

10. The famous British Linguist who translated the works of Vaikom Muhammed Basheer into English :
- (A) Charles Alderson (B) R.E. Asher
(C) Mark Allinson (D) W. Sidney Allen
11. Ayurveda originates from :
- (A) Rig Veda (B) Sama Veda (C) Yajur Veda (D) Atharva Veda
12. Who is the founder of Nyaya school of Philosophy ?
- (A) Kapila (B) Gautama (C) Kanada (D) Madhavacharya
13. Dr. A.P.J. Abdul Kalam island is at :
- (A) Tamil Nadu (B) Maharashtra (C) Karnataka (D) Odisha
14. Surface to Surface missile :
- (A) Shaurya (B) Trishul (C) Akash (D) Astra
15. Gende Gap Index is published by :
- (A) World Bank (B) UNDP (C) WEF (D) WHO
16. Beti Bachao Beti Padhao was launched in the year :
- (A) 2015 (B) 2014 (C) 2016 (D) 2017
17. Attol coral reef is found at :
- (A) Gulf of Kachh (B) Gulf of Mannar
(C) Lakshadweep (D) Andaman and Nicobar
18. The article that deals with Amendment :
- (A) Article 368 (B) Article 386 (C) Article 356 (D) Article 346

19. Article 324 deals with :
(A) Finance Commission (B) UPSC
(C) Election Commission (D) Planning Commission
20. Indian Constitution borrowed the feature of Judicial Review from :
(A) US Constitution (B) British Constitution
(C) French Constitution (D) Russian Constitution
21. Satpuda Tiger Reserve is located at :
(A) Odisha (B) Madhya Pradesh
(C) Maharashtra (D) Bihar
22. Uri river is the tributary of :
(A) Tapi (B) Narmada (C) Yamuna (D) Krishna
23. First bird sanctuary in Kerala :
(A) Kadalundi (B) Kumarakom (C) Mangalavanam (D) Thattekkad
24. The last Mamankam was held :
(A) 1577 (B) 1755 (C) 1655 (D) 1766
25. Which King appointed Vasco da Gama as Indian viceroy ?
(A) John II (B) James V (C) John III (D) James I
26. Who is the present chief of Central Vigilance Commission of India ?
(A) Sanjay Kothari (B) P Shankar
(C) Sunil Arora (D) Pradeep Kumar Joshi
27. VPN is the acronym for :
(A) Virtual Protected Network (B) Virtual Private Network
(C) Virus Protected Network (D) Virus Proof Network

28. The only theyyam performed by female :
- (A) Padikkutti Amma (B) Chamundi
(C) Manakkott Amma (D) Devakkooth
29. Smallest fresh water lake in Kerala :
- (A) Ashtamudi (B) Vembanad (C) Pookkode (D) Vellayani
30. Who wrote the 'Novatakam', a combination of Novel and Natakam, titled 'Bharathapuzhayute Makkal' ?
- (A) S.K. Pottekkatt (B) M.T. Vasudevan Nair
(C) Uroob (D) Edasseri
31. The maximum intracutaneous prophylactic dose of BCG vaccine in adults is :
- (A) 1 ml (B) 0.1 ml (C) 2 ml (D) 0.05 ml
32. Xylometazoline is used as :
- (A) Antipyretic (B) Astringent
(C) Nasal decongestant (D) Local anaesthetic
33. If two brand products of one drug contain the same labelled quantities of drug are called :
- (A) Bioequivalent (B) Clinical equivalent
(C) Chemical equivalent (D) Therapeutic equivalent
34. Child's Dose = $\frac{\text{Child's weight (kg)} \times \text{Adult dose}}{70}$ is :
- (A) Clarke's Formula (B) Friend's Formula
(C) Cowling's Formula (D) Bastedo's Formula
35. Iso-osmotic solution of dextrose is :
- (A) 0.9% w/v (B) 9% w/v (C) 0.5% w/v (D) 5% w/v

36. The basic mechanism behind the preparation of Lysol is :
(A) Cosolvency (B) Complexation (C) Adsorption (D) Solubilisation
37. The ointment base macrogol 1500 comes under :
(A) Hydrocarbon base (B) Absorption base
(C) Water soluble base (D) Water miscible base
38. Dakin's solution is :
(A) Chloroxylenol solution (B) Chlorinated soda solution
(C) Boric acid solution (D) Calcium hydroxide solution
39. One teaspoonful is equivalent to :
(A) 1 minim (B) 1.6 fl. drachm (C) 2.6 fl. drachm (D) 4.6 fl. drachm
40. Hammer mill works on the principle of :
(A) Impact (B) Attrition (C) Cutting (D) Grinding
41. Mercurous chloride is :
(A) Calomel (B) Calamine (C) Caramel (D) Calcitriol
42. Antidote in cyanide poisoning.
(A) Sodium citrate (B) Sodium thiosulphate
(C) Sodium nitrate (D) Sodium bromide
43. IP 2018 is :
(A) 4th edition (B) 6th edition (C) 8th edition (D) 10th edition
44. Which of the following is solanaceous alkaloid ?
(A) Cinchonine (B) Morphine (C) Atropine (D) Pilocarpine

45. Swelling factor is the determination of purity of :
(A) Honey (B) Gelatin (C) Ispaghula (D) Agar
46. Which of the following is an example of drying oil ?
(A) Turpentine oil (B) Castor oil (C) Sesame oil (D) Linseed oil
47. Identify the steroidal anti-inflammatory agent :
(A) Diclofenac sodium (B) Ketoprofen
(C) Prednisolone (D) Indomethacin
48. INH is :
(A) Pyridine 4-Carboxylic acid (B) Pyridine 3-Carboxylic acid
(C) Pyridine 2-Carboxylic acid (D) Pyridine 1-Carboxylic acid
49. Methimazole is an example of :
(A) Anti-thyroid drug (B) Anti-hypertensive drug
(C) Anti-hyperlipidemic drug (D) Anti-neoplastic drug
50. Carbon Dioxide is used as :
(A) General anaesthetic (B) Local anaesthetic
(C) Respiratory stimulant (D) Respiratory depressant
51. Pantoprazole sodium is used as :
(A) Proton pump inhibitor (B) ACE inhibitor
(C) CA inhibitor (D) Choline esterase inhibitor
52. Which of the following drug is administered as inhalation ?
(A) Thiopental (B) Phenytoin (C) Halothane (D) Domperidone

53. Vitamin C is used in the treatment of :
- (A) Beri-beri (B) Sickle cell anemia
(C) Scurvy (D) Xerophthalmia
54. Which of the following is antimetabolite chemotherapeutic agent ?
- (A) Mitomycin (B) 5 Fluorouracil (C) Cisplatin (D) Cyclosporine
55. Select the non-catechol amine from the following :
- (A) Epinephrine (B) Nor-adrenaline (C) Isoprenaline (D) Histamine
56. Primidone is :
- (A) Antitussive (B) Antihypertensive
(C) Anticonvulsant (D) Antibiotic
57. Select the antiviral drug used in Parkinsonism.
- (A) Rimantadine (B) Stavudine (C) Lamivudine (D) Delavirdine
58. Carotene is a provitamin of :
- (A) Vitamin K (B) Vitamin D (C) Vitamin C (D) Vitamin A
59. The ratio between LD50 and ED50 is known as :
- (A) Therapeutic range (B) Therapeutic Index
(C) Duration of action (D) Maximum plasma concentration
60. Pick out the source of rifampicin.
- (A) Streptomyces Mediterranei (B) Bacillus Subtilis
(C) Fusidiumcoccineum (D) Micromonosporapurpurea
61. The poisons act was passed in the year :
- (A) 1919 (B) 1954 (C) 1955 (D) 1949

62. Licence for the sale of schedule C and C1 drugs by wholesale is given in the form number :
(A) 18 (B) 20 (C) 20A (D) 21B
63. Medical termination of pregnancy was passed in the year.
(A) 1971 (B) 1981 (C) 1871 (D) 1891
64. Dangerous drugs is the one that contains more than the percentage of cocaine by :
(A) 0.01% (B) 0.2% (C) 0.1% (D) 0.02%
65. Minimum inspection schedule for premises licenced for sale of drugs :
(A) Once a year (B) Twice a year (C) Thrice a year (D) Once in a month
66. Digoxin belongs to schedule :
(A) X (B) C1 (C) G (D) H
67. Toxoids are tested at :
(A) Calcutta (B) Lucknow (C) Hyderabad (D) Izatnagar
68. Life period of drug is under the schedule :
(A) U (B) J (C) P (D) T
69. Area in sq.m. recommended for manufacture of Eye drops :
(A) 25 (B) 20 (C) 30 (D) 60
70. Forms in which the licence is issued for distribution of schedule X.
(A) 20F (B) 21A (C) 20 (D) 21
71. Objective of trial balance is to :
(A) Locate error (B) Prepare balance sheet
(C) Check arithmetic accuracy (D) All the above

72. Left hand side of an account is called :
(A) Asset side (B) Debit side (C) Credit side (D) Liabilities side
73. The book of original entry is :
(A) Ledger (B) Journal (C) Cash book (D) None
74. Dose dumping is observed in :
(A) Tablets (B) Capsules
(C) Sustained release products (D) Effervescent granules
75. The route provides 100% bioavailability is :
(A) Oral (B) Intra dermal injection
(C) Inhalation (D) Intravenous injection
76. The major mechanism of drug degradation in GIT is :
(A) Hydrolysis (B) Oxidation (C) Reduction (D) Conjugation
77. Methanol produces :
(A) Deafness (B) Gastritis (C) Tetany (D) Blindness
78. Morphine poisoning induces.
(A) Nephrotoxicity (B) Paralysis of spinal cord
(C) Respiratory depression (D) Ototoxicity
79. Which drug is used as antidote for curare poisoning ?
(A) Atropine (B) Homatropine (C) Neostigmine (D) Acetylcholine
80. The elevated blood glucose level by phenytoin is due to :
(A) Increased Degradation of insulin
(B) Increased glucose uptake
(C) Inhibit insulin release
(D) (B) and (C)

81. Which one is the side effect of cimetidine ?
(A) Nausea (B) Dizziness (C) GI irritation (D) Gynacomastia
82. Which drug causes for gray baby syndrome ?
(A) Tetracycline (B) Chloramphenicol
(C) Doxycycline (D) Streptomycin
83. Which of the drug will interact with milk ?
(A) Penicillin G (B) Indomethacin (C) Tetracycline (D) Caffeine
84. Mention the type of antagonism of morphine with naltrexone.
(A) Competitive antagonism (B) Chemical antagonism
(C) Mechanical antagonism (D) None of the above
85. Which drug induces Parkinsonism ?
(A) Aspirin (B) Haloperidol (C) Thalidomide (D) Methotrexate
86. Which of the following drug is a microsomal enzyme inhibitor ?
(A) Phenytoin (B) Chlordiazepoxide
(C) Testosterone (D) Chloramphenicol
87. Which of the following is **not** used in leprosy ?
(A) Dapsone (B) Clofazimine (C) Rifampicin (D) Levamisole
88. Which of the following is a mosquito repellent ?
(A) Chaulmoogra oil (B) Corn seed oil
(C) Citronella oil (D) Sunflower oil
89. The effervescent granules containing a mixture of citric and tartaric acid with :
(A) Sodium bicarbonate (B) Sodium hydroxide
(C) Sodium chloride (D) Sodium sulphate

90. Which of the following microorganism is gram negative ?
(A) S. aureus (B) B. subtilis (C) P. notatum (D) E. coli
91. Which is **not** a chromoprotein ?
(A) Ceruloplasmin (B) Haemoglobin (C) Myoglobin (D) Cytochrome
92. Compound sodium chloride injection is known as :
(A) Normal saline (B) Ringer's injection
(C) Hartman's solution (D) Fowler's solution
93. The osmotic pressure of dialysis fluid is maintained by :
(A) Sucrose (B) Glucose (C) Sorbitol (D) Fructose
94. Sodium benzoate is used as :
(A) Antioxidant (B) Systemic antacid
(C) Antidote (D) Preservative
95. Rochelle salt is :
(A) Sodium sulphate (B) Potassium acid tartrate
(C) Sodium metaphosphate (D) Sodium potassium tartrate
96. Propellant 12 is :
(A) Trichloromonfluoromethane (B) Dichlorodifluoromethane
(C) Dichlorotetrafluoroethane (D) Difluoroethane
97. Avicel is :
(A) Lactose (B) Hydrolysed starch
(C) Microcrystalline cellulose (D) Dibasic calcium phosphate

98. Which of the following is the largest size of capsule shell ?
(A) 3 (B) 1 (C) 000 (D) 00
99. Which one is an opacifying agent used in capsule ?
(A) Titanium dioxide (B) Methyl paraben
(C) Gelatine (D) Fumeric acid
100. Type I glass is :
(A) Soda lime treated glass (B) Soda lime glass
(C) Borosilicate glass (D) None of the above

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