



SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY

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ROLL NUMBER

WRITTEN TEST FOR THE POST OF PHARMACIST - A

DATE: 02/08/2023

TIME: 11 To 12.30 pm

DURATION: 90 MINUTES

Total Marks: 100

INSTRUCTIONS TO THE CANDIDATES

1. Write your Roll Number on the top of the Question Booklet and in the OMR sheet.
2. Each question carries **one (1)** mark.
3. There will be no Negative Marking.
4. Each question carries 4 options i.e., A, B, C & D. Darken completely, the bubble corresponding to the most appropriate answer using **blue or black ball point pen**.
5. Marking more than one option will invalidate the answer.
6. Candidate should sign in the **question paper** and OMR sheet.
7. No clarifications will be given.
8. Candidate should hand over the OMR sheet and **question paper** to the invigilator before leaving the examination hall.

Signature of the Candidate

Reya Freediah
2/8/2023

Pharmacist - 2/8/2023

1. The first edition of the pharmacopoeia of India was published in the year

- A) 1947
- B) 1955
- C) 1966
- D) 1946

2. Which of the following is **Not** an example of a live attenuated vaccine?

- A) Varicella (chickenpox) vaccine
- B) MMR vaccine
- C) Tetanus vaccine
- D) Influenza vaccine

3. Tablets are tested for

- A) Pyrogens
- B) Hardness
- C) Alkalinity
- D) Total solids

4. Smallest size of the Capsule is denoted by which number?

- A) 5
- B) 1
- C) 2
- D) 0

5. Tetanus serum contains

- A) Antigen
- B) Toxoid
- C) Anti-bodies
- D) Pyrogens

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6. Keeping the crude drug in contact with the menstrum for 7 days is known as

- A) Percolation
- B) Maceration
- C) Infusion
- D) Decoction

7. Intravenous infusions should be definitely be:

- A) Hypertonic with blood
- B) Hypotonic with blood
- C) Isotonic with blood
- D) Hyperbaric with blood

8. BCG injection is given for prophylactic action for prevention of

- A) Leprosy
- B) T.B.
- C) Whooping cough
- D) Polio

9. Tablet hardness range is normally

- A) 2 to 3.0 Kg
- B) 1 to 2 Kg
- C) 3.5 to 7 Kg
- D) 0.5 to 1 Kg

10. Nano particles are based on

- A) Controlled drug delivery system
- B) Colloidal drug delivery system
- C) Biotransformation
- D) Polymer-drug dispersion system

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11. Sodium metal is stored in:
- A) Water
 - B) Alcohol
 - C) Kerosene
 - D) Ether
12. Limit test for chlorides, sulphates and iron are carried out in:
- (A) Test tubes
 - (B) Conical flasks
 - (C) Nessler's cylinders
 - (D) Petri dish
13. Which of the following is a weak acid?
- A) Hydrochloric acid
 - B) Nitric acid
 - C) Sulfuric acid
 - D) Acetic acid
14. Sodium-bi-carbonate is used as:
- A) Astringent
 - B) Anticoagulant
 - C) Sedative
 - D) Antacid
15. Select the muscle relaxant that is used to control spasticity associated with upper motor neuron paralysis:
- A) Vecuronium
 - B) Succinylcholine
 - C) Baclofen
 - D) Chlorzoxazone
16. Example of an umbelliferous fruit

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- A) Cardamom
- B) Fennel
- C) Datura
- D) Nux-vomica

17. Vinca is useful as

- A) Anti-cancer agent
- B) Hypotensive agent
- C) Antispasmodic agent
- D) Antibiotic drug

18. Atropine is present in

- A) Fennel
- B) Clove
- C) Kalmegh
- D) Belladonna

19. Aloes are used as:

- A) Cardiac tonic
- B) Sedative
- C) Hypnotic
- D) Purgative

20. Caffeine is identified by

- A) Murexide test
- B) Vitalis test
- C) Molish test
- D) Millon's test

21. Fatty acids of lipids are generally

- A) Branched chain

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- B) Linear chain with even carbon atoms
 - C) Linear chain with odd carbon atoms
 - D) Cyclic chain
22. Milky fluid containing emulsified fat in small intestine is known as
- A) Lymph
 - B) Blood
 - C) Chyle
 - D) Chyme
23. Which one of the following is the state of psychic and physical drug dependence?
- A) Habituation
 - B) Anxiety
 - C) Addiction
 - D) Tolerance
24. Which substance yields the largest number of calories per gram?
- A) Carbohydrates
 - B) Proteins
 - C) Minerals
 - D) Fats
25. Schedule R of Drugs and Cosmetic Act deals with:
- A) Disinfectants
 - B) Antiseptics
 - C) Mechanical Contraceptives
 - D) Dyes, Colours & Pigments
26. Which ion is in highest concentration in the cells?
- A) Calcium
 - B) Magnesium
 - C) Sodium

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D) Potassium

27. The therapeutic index of a drug is a measure of its:

- A) Efficacy
- B) Potency
- C) Safety
- D) Dose variability

28. The universal recipient blood group is:

- A) O
- B) B
- C) A
- D) AB

29. Diabetes insipidus is due to deficiency of:

- A) Vasopressin
- B) Insulin
- C) Oxytocin
- D) Aldosterone

30. Physostigmine is an example for:

- A) Anticholinesterase
- B) Adrenergic drug
- C) Adrenergic blocking drug
- D) Anticholinergic drug

31. Which one of the following is an angiotensin antagonist?

- A) Captopril
- B) Losartan
- C) Verapamil
- D) Nicorandil

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32. The main function of W.B.C is:
- A) Coagulation
 - B) Phagocytosis
 - C) Pinocytosis
 - D) Transport of gases
33. List of drugs which should be used by patient under medical supervision is covered under.....as per Drugs & Cosmetics Act & Rules.
- A) Schedule G
 - B) Schedule H
 - C) Schedule I
 - D) Schedule J
34. The layer responsible for absorption and secretion in the GIT is:
- A) Sub mucosa
 - B) Mucosa
 - C) Muscularis
 - D) Serous
35. Factor essential for absorption of Vit B12 is:
- A) Pepsin
 - B) Renin
 - C) Intrinsic factor
 - D) Extrinsic factor
36. ELISA Test is used for screening
- A) Typhoid
 - B) Polio
 - C) AIDS
 - D) Rabies
37. Mantoux Test is used for diagnosis of

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- A) Leprosy
 - B) Diphtheria
 - C) T.B
 - D) Typhoid
38. Syphilis is caused by
- A) Treponema pallidum
 - B) Gonococci
 - C) Ducrey's bacillus
 - D) HIV
39. Beriberi is caused by deficiency of which of the following vitamins?
- A) Vitamin B12
 - B) Vitamin B2
 - C) Vitamin B1
 - D) Vitamin B3
40. Vitamin K deficiency in our body leads to:
- A) interference with reproduction
 - B) night-blindness
 - C) Scurvy
 - D) delayed clotting of blood
41. Vaccination was invented by
- A) Robert Koch
 - B) Antonie van Leeuwenhoek
 - C) Louis Pasteur
 - D) Edward Jenner
42. Folate deficiency causes
- A) Microcytic anemia
 - B) Hemolytic anemia

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- C) Megaloblastic anemia
- D) Iron deficiency anemia

43. Deficiency of which vitamin lowers the rate of calcium absorption from the food?

- A) Vitamin C
- B) Vitamin B
- C) Vitamin D
- D) Vitamin K

44. Zoonotic diseases are

- A) Basically, animal diseases accidentally transmitted to man
- B) Diseases of men transmitted to animals
- C) Diseases transmitted by arthropods
- D) Diseases transmitted by rodents

45. Epidemiology deals with study of

- A) determinants, occurrence, and distribution of health and disease in a defined population.
- B) Epidemic diseases in an undefined population
- C) Communicable diseases in a undefined population
- D) Communicable and non-communicable diseases in a undefined population

46. Parenteral preparations are tested for

- A) Pyrogens
- B) Hardness
- C) Alkalinity
- D) Total solids

47. Enteric coated tablets are disintegrated in the

- A) Intestine
- B) Mouth

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- C) Liver
- D) Stomach

48. The chief active constituent of fennel:

- A) Fenchone
- B) Borneol
- C) Dill-Apiole
- D) Carvone

49. Example of a sweetening agent is

- A) Sorbitol
- B) Chloroform
- C) Peppermint water
- D) Orange peel oil

50. Bis-in-die means

- A) Three times a day
- B) Two times a day
- C) One time a day
- D) Four times a day

51. Teaspoonful contains

- A) 10ml
- B) 5 ml
- C) 8ml
- D) 30ml

52. Choose the following solution that should be sterile when dispensed:

- A) Syrups
- B) Spirits
- C) Tinctures

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D) Ophthalmic solutions

53. Drug of choice for trigeminal neuralgia is

- A) Phenytoin
- B) Sodium Valproate
- C) Chlorpromazine
- D) Carbamazepine

54. One microgram =

- A) 1/1000 mg
- B) 1/100 mg
- C) 1/10 mg
- D) 1 mg

55. Calamine powder is a mixture of zinc oxide and

- A) Ferric oxide
- B) Aluminium oxide
- C) Caramel
- D) Amaranth

56. Chlorpheniramine is

- A) Anti-biotic
- B) Sulphonamide
- C) Anti-histamine
- D) Anti-infective

57. An example of viral vaccine is

- A) BCG vaccine
- B) Typhoid vaccine
- C) Rabies vaccine
- D) Cholera vaccine

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58. The chemical name of Aspirin is
- A) Methyl salicylate
 - B) Sodium salicylate
 - C) Acetyl salicylic acid
 - D) Salicylic acid
59. The active constituent of paracetamol is:
- A) Acetyl salicylic acid
 - B) Methyl salicylate
 - C) Glyceryl tri nitrate
 - D) N-acetyl p-aminophenol
60. A specific benzodiazepine antagonist used for the treatment of diazepam over dosing is:
- A) Flumazenil
 - B) Secobarbital
 - C) Meprobamate
 - D) Methysergide
61. Which of the following is antidote to morphine
- A) Buprenorphine
 - B) Nalorphine
 - C) Nalbuphine
 - D) Coramine
62. Solubility of Iodine can be increased by dissolving it with
- A) Pottasium Iodide
 - B) Benzoic acid
 - C) Sorbitol
 - D) Water

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63. Soft gelatin capsules are rendered soft by adding:
- A) Sorbitol
 - B) Tween 80
 - C) Cellulose esters
 - D) PEG-400
64. Which one of the following is a Carbonic anhydrase inhibitor?
- A) Ethacrynic acid
 - B) Chlorothiazide
 - C) Acetazolamide
 - D) Chloramphenicol
65. The anticancer antibiotic is
- A) Chloramphenicol
 - B) Bleomycin
 - C) Ciprofloxacin
 - D) Gentamycin
66. Dapsone is an
- A) Anti-anxiety drug
 - B) Antileprotic drug
 - C) Anti tubercular drug
 - D) Anti emetic
67. The human body does not produce
- A) Proteins
 - B) Hormones
 - C) Minerals
 - D) Enzymes
68. Which one of the following is an Anti-fungal agent?

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- A) Clotrimazole
 - B) Rifampicin
 - C) Erythromycin
 - D) Chloroquine
69. Bisacodyl is an example of
- A) Laxative
 - B) Anti-diarrhoeal
 - C) Anti-convulsants
 - D) Barbiturates
70. The study of absorption, distribution, metabolism and excretion of drug is known as-
- A) Pharmacy
 - B) Pharmacopoeia
 - C) Pharmacodynamics
 - D) Pharmacokinetics
71. Which one of the following is an antidote for organophosphorus poisoning?
- A) Physostigmine
 - B) Pralidoxime
 - C) Pyridostigmine
 - D) Neostigmine
72. The poisons act was passed in the year:
- A) 1857
 - B) 1919
 - C) 1940
 - D) 1971
73. The percentage of sucrose used in Syrup I.P. is

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- A) 76.6%W/W
- B) 78.7%W/W
- C) 69.6%W/W
- D) 66.7% W/W

74. Co-trimoxazole contains sulphamethoxazole and trimethoprim in the ratio

- A) 5:1
- B) 1:5
- C) 5:5
- D) 1:10

75. Which one of the following is NOT an antifungal drug?

- A) Amphotericin-B
- B) Clotrimazole
- C) Neomycin
- D) Terbinafine

76. Ibuprofen belongs to schedule

- A) X
- B) G
- C) H
- D) B

77. Who is the chairman of Drugs Technical Advisory Board (D.T.A.B.)?

- A) President, PCI
- B) Drugs Controller of India
- C) State Drug Controller
- D) Director General Health Services

78. Bleaching powder is

- A) Soda Lime
- B) Sodium bicarbonate

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- C) Calcium carbonate
D) Calcium hypochlorite
79. Central Register of Pharmacists is maintained by
A) State Government.
B) Pharmacy Council of India (PCI)
C) State Pharmacy Council
D) Drug Controller
80. Paracetamol overdose is treated with
A) Calcium Disodium EDTA
B) Dimercaprol
C) N-Acetyl Cysteine
D) d-Pencillamine
81. Which of the following levels helps to control excessive investment in inventories?
A) Minimum level
B) Maximum level
C) Recording level
D) Average stock level
82. HBsAg testing is done to detect the presence of
A) Hepatitis A virus
B) Chickenpox virus
C) Hepatitis C virus
D) Hepatitis B virus
83. Aminophylline is a stable mixture of theophylline with which one of the following?
A) Aminocaproic acid
B) Amiloride

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- C) Ethyl oleate
- D) Ethylenediamine

84. Which among the following is the chemical test used to identify Cardiac glycosides?

- A) Keller-Killiani test
- B) Modified Borntrager's test
- C) Murexide test
- D) Molisch test

85. Which one of the following is the technique used to find out how much of the inventory is to be ordered?

- A) Economic order quantity
- B) ABC analysis
- C) Perpetual inventory system
- D) I-O ratio analysis

86. Which one of the following is an ultrashort acting cardio-selective beta-adrenergic blocker?

- A) Bisoprolol
- B) Esmolol
- C) Sotalol
- D) Timolol

87. Which one of the following routes of drug administration provides the best bio availability?

- A) Oral administration
- B) Intradermal injection
- C) Intramuscular injection
- D) Intravenous injection

Purpa Sudhan
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88. The passage of drug molecules across a cell membrane from a region of high drug concentration is known as:
- A) Active transport
 - B) Bio availability
 - C) Biopharmaceutics
 - D) Passive diffusion
89. Which of the following is not regarded as a narcotic?
- A) Propoxyphene
 - B) Morphine
 - C) Codeine
 - D) Heroin
90. Which one of the following drugs is an Angiotensin Antagonist?
- A) Captopril
 - B) Losartan
 - C) Verapamil
 - D) Nicorandil
91. Among the following, which one is the fastest acting inhaled bronchodilator?
- A) Salbutamol
 - B) Formoterol
 - C) Salmeterol
 - D) Ipratropium bromide
92. Which one of the following drugs induce cytochrome P450?
- A) Omeprazole
 - B) Allopurinol
 - C) Phenytoin
 - D) Chloramphenicol

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93. Salicylic acid is used primarily as a
- A) Analgesic
 - B) Keratolytic agent
 - C) Antipyretic
 - D) Cough suppressant
94. A very common side effect of morphine is
- A) Kidney damage
 - B) Liver damage
 - C) Constipation
 - D) Visceral pain
95. Barbiturates containing a sulphur atom are usually:
- A) Intermediate-acting
 - B) Long-acting
 - C) Unpredictable
 - D) Ultra-short acting
96. Which of the following drugs undergoes 'Hofmann' elimination?
- A) Succinylcholine
 - B) Pancuronium
 - C) Atracurium
 - D) Vecuronium
97. Physostigmine is an
- A) Adrenergic drug
 - B) Anticholinesterase
 - C) Anticholinergic drug
 - D) Adrenergic blocking drug

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98. Which one of the following is an antidote for warfarin toxicity/overdose?
- A) Vitamin K
 - B) Protamine
 - C) Pencillamine
 - D) Dimercaprol
99. The initial distribution of a drug into the tissues is determined chiefly by the:
- A) Rate of blood flow to the tissue
 - B) Glomerular filtration rate (GFR)
 - C) Stomach emptying time
 - D) Drug affinity for the tissue
100. Which of the following is a non-depolarizing neuromuscular blocker?
- A) Vecuronium
 - B) Succinyl choline
 - C) Dantrolene sodium
 - D) Decamethonium

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PHARMACIST ANSWER KEY 2/8/2023

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

Question No.	Answer
36	C
37	C
38	A
39	C
40	D
41	D
42	C
43	C
44	A
45	A
46	A
47	A
48	A
49	A
50	B
51	B
52	D
53	D
54	A
55	A
56	C
57	C
58	C
59	D
60	A
61	B
62	A
63	A
64	C
65	B
66	B
67	C
68	A
69	A
70	D

Question No.	Answer
71	B
72	B
73	D
74	A
75	C
76	C
77	D
78	D
79	B
80	C
81	B
82	D
83	D
84	B
85	A
86	B
87	D
88	D
89	A
90	B
91	A
92	C
93	B
94	C
95	D
96	C
97	B
98	A
99	A
100	A

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