

45/2019

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Number of Neutrons in  $^{56}\text{Fe}_{26}$  is :  
(A) 30 (B) 56  
(C) 26 (D) 82
2. Which of the following radiation have least penetrability?  
(A) X-ray (B) Beta particles  
(C) Gamma particles (D) Alpha particles
3. Phytomenadione is :  
(A) Niacin (B) Vitamin K  
(C) Pyridoxin (D) Lipoic acid
4. The rate limiting step in glycolysis is catalyzed by the enzyme :  
(A) Phosphofructokinase (B) Aldolase  
(C) Enolase (D) Hexokinase
5. What is spirit of salt?  
(A)  $\text{MgSO}_4$  (B)  $\text{Na}_2\text{B}_4\text{O}_7$   
(C)  $\text{CaOCl}_2$  (D) HCl
6. Which of the following is useful in Cyanide poisoning?  
(A) Sodium bi sulphite (B) Sodium metabisulphite  
(C) Sodium sulfosuccinate (D) Sodium thiosulphate
7. Nitrous Oxide is stored in :  
(A) Blue colored cylinder (B) Grey colored cylinders  
(C) White cylinder with Black neck (D) Orange colored cylinders
8. True antagonist of morphine :  
(A) Nalorphine (B) Naloxone  
(C) Nalbuphine (D) Methadone

A

3

[P.T.O.]

9. Ma-Huang is another name of :
- (A) Ephedra (B) Artemesia  
(C) Rhubarb (D) Cascara
10. An adulterant of digitalis leaves :
- (A) Verbascum thapses (B) Cayratia pedata  
(C) Crotalaria striata (D) Cymbopogon flexuosus
11. Which of the following is anti-oestrogen?
- (A) Tibolone (B) Clomiphene  
(C) Letrozole (D) Mifepristone
12. Uterine relaxants are also known as :
- (A) Ecbolics (B) Tocolytics  
(C) Abortifacients (D) Analeptics
13. Through which route Ipratropium bromide is administered?
- (A) Subcutaneous (B) Topical application  
(C) Oral (D) Inhalation
14. Which of the following is fourth generation cephalosporin?
- (A) Cephalothin (B) Cephmandole  
(C) Cefepime (D) Ceftriaxone
15. Example for atypical antipsychotic :
- (A) Haloperidol (B) Penfluridol  
(C) Olanzapine (D) Thioridazine
16. Fluoxetine is an example for :
- (A) Atypical antidepressant  
(B) Serotonin and Noradrenaline Re-uptake Inhibitor  
(C) Tricyclic anti depressant  
(D) Selective Serotonin Re-uptake Inhibitor

17. Digoxin act on by inhibiting :
- (A) Na+K + ATP ase (B) Myosine light chain kinase  
(C) Na+ Cl- antiport (D) Glut-4
18. Ankle oedema is a frequent adverse effect of :
- (A) Propranolol (B) Nifedipine  
(C) Captopril (D) Nicorandil
19. Which of the following is potassium sparing diuretic?
- (A) Eplerenone (B) Ethacrynic acid  
(C) Acetazolamide (D) Hydrochlorothiazide
20. Which vitamine is given along with INH to reduce risk of neurotoxicity?
- (A) Niacin (B) Pyridoxine  
(C) Pantothenic acid (D) Thiamine
21. The first Pharmacy council of India was started functioning in :
- (A) 1952 (B) 1950  
(C) 1949 (D) 1955
22. For the constitution of State Pharmacy Council, the respective State Government have to nominate \_\_\_\_\_ Government analyst(s).
- (A) Two (B) One  
(C) Five (D) Three
23. Which of the defect in an emulsion make most unstable?
- (A) Creaming (B) Flocculation  
(C) Cracking (D) Sedimentation
24. Approximate chemical formula of bleaching powder is :
- (A)  $\text{Ca}_2\text{OCl}_2$  (B)  $(\text{CaO})_2\text{Cl}$   
(C)  $\text{Ca}(\text{OCl})\text{Cl}$  (D)  $\text{Ca}(\text{OH})\text{Cl}_2$
25. Which antiviral drug is found to be useful in parkinsonism?
- (A) Abacavir (B) Oseltamivir  
(C) Zanamivir (D) Amantadine

26. Who is responsible for preparation and maintenance of first register?  
(A) Pharmacy Council of India (B) DGHS  
(C) State Pharmacy Councils (D) AICTE
27. Which of the following drug shows immune-suppressant activity?  
(A) Levamisole (B) Miconazole  
(C) Clotrimazole (D) Itraconazole
28. Neuroleptic agents are also known as :  
(A) Psycho-analeptics (B) Major tranquilizers  
(C) Anti-maniac agents (D) Mood elevators
29. Extrapyramidal side effects are common with :  
(A) Chloramphenicol (B) Chlorpheniramine  
(C) Chlorothiazide (D) Chlorpromazine
30. Which of the opium alkaloid is benzyl isoquinoline derivative?  
(A) Morphine (B) Codeine  
(C) Thebaine (D) Papaverine
31. Weakly acidic drugs are better absorbed from :  
(A) Alkaline pH (B) Neutral pH  
(C) Acidic pH (D) Very high pH
32. Pick out the Choline esterase re-activator :  
(A) Atropine (B) Flumazenil  
(C) Pralidoxime (D) Donepezil
33. Ondansetron act by antagonism of :  
(A) 5HT-3 receptor (B) H<sub>2</sub> receptor  
(C) 5HT-1 receptor (D) D<sub>2</sub> receptor

34. Which one is an important drug in paracetamol poisoning?  
(A) N-acetyl p-benzoquinoneimine (B) N-acetyl muramic acid  
(C) N-acetyl glycine (D) N- Acetyl cysteine
35. Which of the following is a good uricosuric agent:  
(A) Sulfamethoxazole (B) Sulfanilamide  
(C) Sulfinpyrazone (D) Sulphacetamide
36. Example for ultra short acting barbiturate :  
(A) Secobarbitone (B) Methohexitone  
(C) Butobarbitone (D) Amylobarbitone
37. Oto and nephro toxicity is common with which class of antibiotics?  
(A) Macrolides (B) Carbepenams  
(C) Aminoglycosides (D) Polyenes
38. Which of the following is selective MAO-B inhibitor :  
(A) Selegiline (B) Clorgyline  
(C) Moclobemide (D) Iproniazid
39. Which of the following is heparin antagonist?  
(A) Potassium sulphate (B) Protamine sulfate  
(C) Lepirudin (D) Alteplase
40. Grey baby syndrome is associated with :  
(A) Chlorpromazine (B) Chlorcyclizine  
(C) Chloroquine (D) Chloramphenicol
41. The chemical group of Glycyrrhizin is :  
(A) Alkaloid (B) Glycoside  
(C) Saponin (D) Sesquiterpene

42. World diabetes day :
- (A) 14<sup>th</sup> of November (B) 4<sup>th</sup> of November  
(C) 4<sup>th</sup> of March (D) 14<sup>th</sup> of July
43. BCG vaccination gives protection against :
- (A) Mumps (B) Rubella  
(C) Measles (D) TB
44. Curved, warty trichomes are present in :
- (A) Datura (B) Senna  
(C) Eucalyptus (D) Digitalis
45. Aretemisinin is used as :
- (A) Antelmintic (B) Antimalarial  
(C) Diaphoretic (D) Aperient
46. Which of the following is a peripherally acting muscle relaxant?
- (A) Baclofen (B) Methocarbamol  
(C) Dantrolene (D) Tizanidine
47. Example for Alpha Glucosidase Inhibitor :
- (A) Miglitol (B) Nateglinide  
(C) Gliclazide (D) Glyburide
48. Which of the following is called Indian Gum?
- (A) Colophony (B) Tragacanth  
(C) Guar gum (D) Acacia
49. Which of the following emulsifiers have highest HLB value?
- (A) PEG 400 (B) Cetrymide  
(C) Sodium Lauryl Sulfate (D) Span 80
50. Example for aromatase inhibitor :
- (A) Letrozole (B) Fosfestrol  
(C) Flutamide (D) Tamoxifen

51. Chance of Ototoxicity is more with :
- (A) Acetazolamide (B) Spironolactone  
(C) Mannitol (D) Frusemide
52. Which of the following is an essential amino acid?
- (A) Alanine (B) Valine  
(C) Tyrosine (D) Arginine
53. Which of the following schedule deals with regulations and requirements for establishing and running a pharmacy?
- (A) Schedule M (B) Schedule N  
(C) Schedule K (D) Schedule F
54. License in Form 10 is issued for the import of :
- (A) Drugs for test or analysis (B) All new drugs  
(C) Biological preparations (D) Cosmetics
55. Which class of drugs can be manufactured under loan license in Form 25A?
- (A) Drugs specified in Schedule X  
(B) Drugs specified in Schedule C and C1  
(C) Drugs other than those specified in Schedule X  
(D) Drugs other than those specified in schedule C, C1 and X
56. Ideal temperature for storage of freeze -dried BCG vaccine is :
- (A) Between 2 and 8°C (B) Below minus 2°C  
(C) Between 2 and 4°C (D) Below 0°C
57. Which of the following is a first line anti-tubercular drug ?
- (A) PAS (B) Pyrazinamide  
(C) Ethionamide (D) Thiacetazone
58. Equivalent weight of Potassium permanganate in alkaline medium is :
- (A) 316 (B) 31.6  
(C) 52.7 (D) 5.27

59. Which of the following is an inhalation anesthetic?
- (A)  $\text{N}_2\text{O}$  (B)  $\text{NO}_2$   
 (C)  $\text{NO}$  (D)  $\text{HNO}_2$
60. Fomepizole acts by inhibiting :
- (A) Choline esterase (B) Lactate dehydrogenase  
 (C) Xanthine oxidase (D) Alcohol dehydrogenase
61. Universal antidote contains :
- (A) Activated charcoal, Tannic acid and Magnesium Oxide  
 (B) Activated charcoal, Tartaric and Magnesium Oxide  
 (C) Activated charcoal, Tartaric and Magnesium hydroxide  
 (D) Activated charcoal, Tannic and Magnesium Trisilicate
62. Molecular formula of Green vitriol is :
- (A)  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  (B)  $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$   
 (C)  $\text{Fe}_2(\text{SO}_4)_3 \cdot 7\text{H}_2\text{O}$  (D)  $\text{Na}_2\text{B}_4\text{O}_7$
63. Two important uses of Apomorphine are :
- (A) Analgesic and anti-tussive  
 (B) Anti-spasmodic and anti-emetic  
 (C) Analgesic and anti-emetic  
 (D) As an emetic and in Parkinsonism
64. At isoelectric pH, an amino acid will exist as :
- (A) Anion (B) Cation  
 (C) Zwitter ion (D) None of the above
65. The safety of a drug is more, if the therapeutic index is :
- (A) Less than one (B) One  
 (C) Greater than one (D) None of the above
66. Which is called British anti-Lewisite?
- (A) Mechlorethamine (B) Sarin  
 (C) Dyflos (D) Dimercaprol



67. Example for selective  $\alpha - 2$  adrenergic blocker :
- (A) Phentolmine (B) Yohimbine  
(C) Chlorpromazine (D) Prazosin
68. Example for cardio-selective beta blocker :
- (A) Atenolol (B) Timolol  
(C) Sotalol (D) Pindolol
69. Which of the following sulfonamide is applied topically?
- (A) Sulfamethoxy pyridazine (B) Sulfacetamide Sodium  
(C) Sulfaguanidine (D) Succinyl sulfathiazole
70. Example for benzodiazepine antagonist :
- (A) Flumazenil (B) Zopiclone  
(C) Flucytosine (D) Zolpidem
71. Allopurinol act by inhibiting the enzyme :
- (A) Monoamine oxidase (B) Aldehyde dehydrogenase  
(C) Xanthine oxidase (D) Superoxide dismutase
72. How much of 10% KCl solution is required to prepare one Liter of 4% solution ?
- (A) 40 ml (B) 50 ml  
(C) 200 ml (D) 400 ml
73. Eugenol is a chief constituent in :
- (A) Fennel (B) Clove  
(C) Nutmeg (D) Coriander
74. Which test is best suited for the identification of Anthraquinone C-glycosides?
- (A) Borntrager's test (B) Keller Killiani test  
(C) Foam test (D) Modified Borntrager's test
75. When Klunge's test was conducted with a sample of aloes, a wine red color was obtained. The sample may be :
- (A) Socotrine aloes (B) Zanzibar aloes  
(C) Curacao aloes (D) Cape aloes

76. Which of the following drug prevent mast cell degranulation?
- (A) Sodium cromoglycate (B) Di sodium EDTA  
(C) Sodium sulfosuccinate (D) Sodium Pentothal
77. Which of the following is an analeptic drug?
- (A) Nicotinic acid (B) Nicorandil  
(C) Niclosamide (D) Nikethamide
78. Gum hyperplasia is associated with long term use of :
- (A) Phenylbutazone (B) Phenytoin  
(C) Phenenteramine (D) Phenobarbitone
79. Which class of drugs is associated with 'cheese reaction'?
- (A) ACE inhibitors (B) COX inhibitors  
(C) MAO inhibitors (D) COMT inhibitors
80. Which of the following drug is used to reduce the risk of cyclophosphamide induced hemorrhagic cystitis?
- (A) Mesna (B) BAL  
(C) Thio-TEPA (D) 5-FU
81. Which of the following local anesthetic is long acting?
- (A) Tetracaine (B) Procaine  
(C) Lignocaine (D) Chlorprocaine
82. Example for peripheral decarboxylase inhibitor
- (A) Probenecid (B) Benserazide  
(C) Iproniazid (D) Zotepine
83. Example for atypical antidepressant :
- (A) Fluoxetine (B) Amoxapine  
(C) Sertline (D) Trazodone
84. Which family cinnamon belongs to?
- (A) Leguminosae (B) Lauraceae  
(C) Imarubaceae (D) Rubiaceae

85. Which of the following is *not* an aminoglycoside antibiotic?  
(A) Streptomycin (B) Gentamicin  
(C) Amikacin (D) Mithramycin
86. The alkaloid colchicine is an :  
(A) Anti cancer drug (B) Anthelmintic drug  
(C) Anti-gout drug (D) Anti Parkinsonian drug
87. Barbiturates acts through :  
(A) Glutamate receptors (B) Nicotinic receptors  
(C) NMDA receptors (D) GABA receptors
88. Ondansetron act by antagonizing :  
(A) D<sub>2</sub> receptor (B) H<sub>2</sub> receptors  
(C) 5HT<sub>3</sub> receptors (D) H<sub>1</sub> receptors
89. The new WHO formula for ORS does not contain  
(A) Sodium chloride (B) Potassium chloride  
(C) Sodium citrate (D) Calcium chloride
90. Composition of Cotrimoxazole is :  
(A) Trimethoprim : Sulphamethoxazole = 1 : 2  
(B) Trimethoprim : Sulphamethoxazole = 5 : 1  
(C) Sulphamethoxazole : Trimethoprim = 5 : 1  
(D) Trimethoprim : Sulphadiazine = 1 : 5
91. Which is a selective estrogen receptor down regulator?  
(A) Flutamide (B) Letrozole  
(C) Fulvestrant (D) Finasteride
92. Vincristine is a ————— type of alkaloid.  
(A) Indole (B) Phenanthrene  
(C) Benzyl isoquinoline (D) Triterpenoid

93. Formula for primary emulsion of castor emulsion is :
- (A) Oil : water: gum = 4 : 3 : 1                      (B) Oil : water: gum = 3 : 2 : 1  
(C) Oil : water: gum = 2 : 2 : 1                      (D) Oil : water: gum = 4 : 2 : 1
94. Ideal temperature to store insulin is :
- (A) 0°C -2°C    (B) 0°C  
(C) 2°C -8°C    (D) 20°C -40°C
95. Omeprazole has to be taken :
- (A) Along with food                                      (B) One hour before food  
(C) One hour after food                                (D) With milk
96. Example for HMG COA reductase inhibitor :
- (A) Fluvastatin    (B) Fluoxetine  
(C) Fluoxamine    (D) Flucinolone
97. Which of the following disease is waterborne?
- (A) Yellow fever    (B) Cholera  
(C) West Nile fever                                        (D) Influenza
98. Calorific value of carbohydrate is approximately equal to :
- (A) 4 Kcal/g    (B) 0.4 Kcal/g  
(C) 0.04 Kcal/g    (D) 9 Kcal/g
99. Which of the following is a non viral disease?
- (A) Rabies    (B) Leprosy  
(C) Small pox    (D) Poliomyelitis
100. A drug combined with cyclophosphamide to reduce the risk of haemorrhagic cystitis is:
- (A) Mesna    (B) 5-FU  
(C) 2-PAM    (D) Pyridoxine

**SPACE FOR ROUGH WORK**

**SPACE FOR ROUGH WORK**