

1. Youngs's formula

- A) $(\text{Age} / \text{Age} + 12) \times \text{Adult dose}$
- B) $(\text{Age}/20) \times \text{adult dose}$
- C) $(\text{weight of the child in lbs} /150) \times \text{adult dose}$
- D) $(\text{Age in months} /150) \times \text{Adult dose}$

2. Glomerular filtration of the drug is affected by its

- A) lipid solubility
- B) plasma protein binding
- C) degree of ionization
- D) rate of tubular secretion

3. HLB scale is design by

- A) Bently
- B) Lehlinger
- C) Griffin
- D) Rutherford

4. Heart receives cholinergic stimulation through _____ nerve.

- A) vagus
- B) trigeminal
- C) Spinal accessory
- D) Trochlear

5. Method used for extraction of volatile oil is

- A) steam distillation
- B) fractional distillation
- C) molecular distillation
- D) simple distillation

6. At normal pressure freezing point of blood plasma is

- A) -0.41°C
- B) -0.52°C
- C) -0.05°C
- D) -0.5°C

7. Majority of drugs cross biological membranes primary by

- A) passive diffusion
- B) facilitate diffusion
- C) active transport
- D) pinocytosis

8. Which of the following drugs is most likely to be absorbed from the stomach?

- A) morphine sulphate
- B) diclofenac sodium
- C) Hyoscine hydrobromide
- D) Quinine dehydrochloride

9. The most commonly occurring conjugation reaction for drugs and their metabolites is

- A) Glucuronidation
- B) Acetylation
- C) Methylation
- D) Glutathione conjugation

10. Diphenhydramine belongs to antihistaminic class of

- A) Ethylene diamine
- B) Amino alkyl ether
- C) Alkyl amine
- D) Phenothiazine

11. Pteridine ring is present in

- A) Amiloride
- B) Triamterene
- C) Chlorthalidone
- D) Spironolactone

12. Which is the mill used to obtain ointments of the smooth texture of consistency is

- A) Ball mill
- B) Cutter mill
- C) Edge runner mill
- D) Triple roller mill

13. Sigma blade mixers are commonly used in

- A) wet granulation
- B) dry granulation
- C) powder mixing
- D) crude fibre mixing

14. Jentaculum means

- A) dinner
- B) breakfast
- C) Lunch
- D) Supper

15. Tablets that are placed under the skin are

- A) enteric coated tablet
- B) film coated tablet
- C) implants
- D) sublingual

16. Which heterocyclic ring is present in aminoride?

- A) Pyrimidine ring
- B) pteridine ring
- C) pyrazine ring
- D) pyridine

17. Which one of these is an indeffusible substances?

- A) aspirin
- B) kaolin
- C) KI
- D) CaCO_3

18. The penicillin G preparation with the longest duration of action is

- A) Benzathine penicillin
- B) sodium penicillin
- C) potassium penicillin
- D) procaine penicillin

19. Which of the following drug act by inhibiting an enzyme in the body?

- A) phenobarbitone
- B) Allopurinol
- C) Levodopa
- D) Metoclopramide

20. which of the following is a prodrug?
A) Hydralazine B) clonidine C) Captopril D) Enalapril
21. Colligative properties are useful in determining
A) Tonicity B) solubility C) sterility D) stability
22. Which antibiotic is primarily bacteriostatic but becomes bactericidal at Higher concentrations?
A) Erythromycin B) tetracycline C) chloramphenicol D) Ampicillin
23. Which of the following organism is notorious for developing anti microbial resistance rapidly?
A) Streptococcus pyrogenes B) Meningococcus
C) treponema pallidum D) Escherichia coli
24. Among the following cations, which cation is most abundant in extracellular fluid?
A) Na B) K C) Ca D) Mg
25. "Iontropic effect" means
A) change of rate of contraction B) change of force of contraction
C) regulation of conduction velocity D) all of these
26. Soap type surfactants are incompatible with _____ Type surface active agents
A) cationic B) Anionic C) Non-Ionic D) None of these
27. Active form of levodopa is
A) Carbidopa B) Dopamine C) Epinephrine D) Nor – adrenaline
28. Which microphage cell is present in the skin?
A) Kupffer cell B) osteoclast C) Osteocyte D) Dendritic cell
29. Which of the following does not change with change of temperature ?
A) molarity B) normality C) molality D) formality
30. With iron compound, tannins give the colour
A) pale yellow B) blue black C) light pink D) orange
31. Which vitamin has pteridine ring in its structure?
A) Pantothenic acid B) biotin C) Riboflavin D) folic acid
32. Magnesium stearate is used as
A) antiadherent B) disintegrant C) Binder D) antioxidant
33. Which of the following purgative drug belongs to Liliaceae family?
A) Aloe B) Rhubarb C) castor oil D) senna
34. Tidal volume is equal to
A) functional residual capacity - expiratory reserve volume
B) inspiratory capacity – inspiratory reserve volume
C) residual volume + expiratory reserve volume
D) total lung capacity – vital capacity
35. Choose the correct incubation period for diphtheria
A) 7 to 14 days B) 2 to 4 weeks C) 2 to 4 days D) 1 to 4 days
36. Which of the following is a reach source of vitamin A only
A) cod liver oil B) Amla C) yeast D) Shark liver oil
37. Identify a drug which forms more potent glucuronide conjugate metabolic as compared to the parent drug?
A) aspirin B) chloramphenicol C) levodopa D) morphine

38. Hypodermic needle sizes are expressed by guage numbers. The guage number refers to the
- A) external diameter of the cannula B) internal diameter of the canula
C) length of the needle D) bevel size
39. _____ is a 5-HT 3 Antagonist
- A) Ondansetron B) ketanserin C) Risperidone D) Clozapine
40. Which of the following test is not official in Indian Pharmacopoeia 2007?
- A) Friability B) disintegration C) content uniformity test D) hardness
41. Starch may be included in tablet formulations as a
- A) colouring agent B) disintegrant C) diluent D) Opacifying agent
42. Choose the Drug used to treat Tapeworm infections
- A) Chloroquine B) Metronidazole C) Ciprofloxacin D) Niclosamide
43. Which of the following substrate inhibits bacterial Folic acid synthesis?
- A) Ampoterecin B) Artesunate C) Dapson D) Ivermectin
44. Which narcotic analgesic is considered to be 50 times more potent than morphine?
- A) Diphenoxylate hydrochloride B) Pethidine C) codeine D) Fentanyl citrate
45. The number of deaths in 1000 population in a year in a particular area is defined as
- A) disability rate B) crude mortality rate C) utilization rate D) morbidity rate
46. Carbomers may be included in the topical product as
- A) sweeteners B) wetting agent C) thickening agents D) preservatives
47. Which heterocyclic ring is present in metronidazole?
- A) pyrazol B) Imidazole C) Indole D) pyrrole
48. The "F" value for a drug product is compared to its
- A) dosing rate B) clearance rate
C) elimination Rate D) absolute bioavailability
49. Water attack test is used to identify the alkalinity of
- A) type 2 glass B) type 3 glass C) plastic D) Type 1 glass
50. Which is the following is an example of indiffusible powder?
- A) Light kaolin BP B) Light Magnesium carbonate BP
C) Sodium bicarbonate BP D) chalk BP
51. Which of the following is a sign or symptom of left sided heart failure?
- A) bilateral rales B) Jagular venous distension
C) Hepatomegaly D) Peripheral edema
52. The biological half life of many drugs is often prolonged in newborn infants because of
- A) a lower degree of protein binding B) complete absorption of drugs
C) incompletely developed enzyme systems D) a higher degree of protein binding
53. The dissolution rate of drug from Tablet may be increased by
- A) increasing the concentration of lubricant
B) increasing the concentration of disintegrant
C) film coating the tablet with ethyl cellulose
D) increasing the compression pressure during tableting
54. Which local anaesthetics is the ester of para amino benzoic acid?
- A) Bupivacaine B) Procaine C) Hexylcaine D) Lignocaine
55. Which amino acid has hydroxyl group in its side chain?
- A) Valine B) Leucine C) Glycine D) Serine

56. Blood bank comes under
A) schedule P B) schedule F C) schedule D D) schedule G
57. Which of the following drug follows zero order Kinetic for metabolism?
A) Cetirizine B) Loratidine C) Valproic acid D) Phenytoin
58. Absorption rate of a drug is most rapid when drug is formulated as
A) hard gelatin capsule B) compressed tablet
C) solution D) soft gelatin capsule
59. The colligative properties of a solution are related to the
A) pKa B) number of a unionized molecules
C) number of ions D) total number of solute particles
60. pH is equal to pKa at
A) pH7 B) the neutralization point
C) half neutralization point D) pH14
61. Drugs with which of the following half lives at the best candidates for oral sustain released dosage formulations?
A) 1 – 2 hours B) 4 – 8 hours C) 12 – 16 hours D) 10 – 12 hours
62. Vitamin D3 is also known as
A) Ergosterol B) Ergocalciferol
C) 7- deoxy cholesterol D) Cholecalciferol
63. Which condition increases the rate of drug dissolution for tablet?
A) decrease in the particle size of the drug
B) use of ionized or salt form of the drug
C) use of free acid or free base of the drug
D) increase in the particle size of the drug
64. Which of the following is salt of a weak acid and strong base?
A) sodium salicylate B) acetyl salicylic acid
C) Chlorpheniramine maleate D) chlorpromazine hydrochloride
65. The “0” size capsule can fill the volume of
A) 2.95 ml B) 1.36 ml C) 0.15 ml D) 0.75 ml
66. Choose the correct symptoms for third degree burns
A) redness and pain only B) skin becomes dry, leathery and dead
C) blisters and pain D) Erythema, swelling, tenderness without dead epithelium
67. For a solution to be isotonic with blood, it should have the same
A) pKa B) fluid pressure C) osmotic pressure D) salt content
68. Which of the following has good polishing effect on teeth?
A) Stannous fluoride B) zinc chloride C) magnesium chloride D) Strontium chloride
69. In which of the following dosage forms surface active agents are used in their formulation?
A) ointment B) creams C) dusting powder D) bulk powder
70. Which antidote is used in copper poisoning?
A) Kaolin B) sodium phosphate C) Magnesium sulphate D) D-Penicillamine
71. _____ is the example of phosphoprotein.
A) casein B) Hemoglobin C) cholesterol D) Hyaluronic acid

72. Chemoreceptor Trigger zone is an area of the _____ and plays role in stimulating
A) cerebrum, Respiration B) Medulla oblongata, Emesis
C) Medulla oblongata, Respiration D) cerebrum, Emesis
73. Which medicinal plant is also used as a source of naturally occurring sweating agent?
A) Peppermint B) Acacia C) Digitalis D) Glycyrrhiza
74. Microsphenoid crystals of calcium oxalate are present in
A) clove B) Fennel C) Cinchona D) Ginger
75. The mace of nutmeg is a
A) Arrilus B) Caruncle C) strophiole D) Hairy outgrowth
76. The bone without marrow cavity is
A) clavicle B) ulna C) scapula D) None of the above
77. Under which section of drug and cosmetic act the drug inspectors are appointed
A) Section 23 B) section 17 C) section 20 D) Section 21
78. Information source about drug information Centre may include
A) medical journals B) online computer information source
C) reference books D) all of the above
79. Which of the following is not a polyene antibiotic?
A) Candicidin B) Bacitracin C) Nystatin D) Ampoterecin- B
80. Pernicious anaemia occurs due to
A) iron deficiency B) absence of intrinsic factor
C) defect in maturation of RBC D) abnormal haemoglobin
81. Acid insoluble as represent the presence of following in the plant
A) organic content B) Earthy matter
C) crystals of calcium oxalate D) water soluble content
82. Which of the following is permanent method of sterilization for female
A) tubectomy B) combined pills C) vasectomy D) diaphragm
83. An antipyretic is a drug that
A) Lowers body temperature B) raises body temperature
C) kills infection D) is used in viral attack
84. The extracellular concentration of sodium is
A) 114 mEq/L B) 103 mEq/L C) 130 mEq/L D) 142 mEq/L
85. Chemical test for differentiation of monosaccharides and disaccharides is
A) Barfoed's test B) Benedict's test C) Molish test D) Seliwanoff's test
86. First aid treatment of the Snake bite poisoning include
A) application of firm pressure over the bitten area
B) immobilization of the Limb to minimize the spread of the venom
C) both a and b
D) none of the above
87. Nitrous oxide is known as
A) laughing gas B) tear gas C) noble gas D) stimulating gas
88. The antidote for DDT poisoning is
A) adrenaline B) atropine C) Barbeturate D) Amphetamine

89. Ambulatory patients are

- A) required to admit in the ward for treatment
- B) required to go home after taking treatment in OPD
- C) required emergency treatment
- D) none of the above

90. _____ is used as plasticizer in coating

- A) polyethylene glycol
- B) castor oil
- C) propylene glycol
- D) all of the above

91. Which of the following is not obtained from animal sources

- A) Tragacanth
- B) Lanolin
- C) shark liver oil
- D) Gelatin

92. District opium officer appoints one cultivator as

- A) Lambardar
- B) Drug inspector
- C) Narcotic commissioner
- D) Executive commissioner

93. TPP is coenzyme of vitamin

- A) riboflavin
- B) Thiamine
- C) pyridoxine
- D) pantothenic acid

94. Which of the following drugs undergoes extensive first pass metabolism in the liver

- A) Phenobarbitone
- B) Propranolol
- C) Phenylbutazone
- D) Theophylline

95. Talcum powder are most effectively sterilized by

- A) dry heat sterilization
- B) autoclaving
- C) gaseous sterilization
- D) fridge drying

96. _____ is benzodiazepine antagonist

- A) diazepam
- B) Flumazenil
- C) Imipramine
- D) Selegiline

97. The drug warfarin is used in disease

- A) Hypertension
- B) Thrombosis
- C) Angina pectoris
- D) CHF

98. Which of the following direct action cholinomimetic has the shortest duration of action?

- A) Acetylcholine
- B) Methacholine
- C) Carbachol
- D) Bethanechol

99. Which of the following is not ester derivative?

- A) Methyl salicylate
- B) Lignocaine
- C) Acetylcholine
- D) Procaine

100. Inventories can be referred to

- A) raw materials
- B) finished goods
- C) spare parts
- D) all of the above