

1. Serum level measurement of a drug is NOT useful in:

Variants of answer:

- a) large person to person difference
- b) drug with low margin of safety
- c) drug activated in the body
- d) to check compliance
- e) knowledge of volume of distribution.

2. Concentration of a drug in blood is 40 microgm/ml. Dose of the drug is 200 mg. Volume of distribution of the drug assuming minute elimination is:

Variants of answer:

- a) 5 litre
- b) 0.5 litre
- c) 2.5 litre
- d) 3 litre
- e) 1 litre

3. A drug X has affinity to bind with albumin and Y has 150 times more affinity to bind with albumin than X. TRUE statement is:

Variants of answer:

- a) drug X will be available more in tissues
- b) drug Y will be more available in tissues
- c) free content of drug X in blood will be more
- d) toxicity of Y will be more
- e) toxicity of 2 drugs are similar

4. A patient presents with nephrotic syndrome and hypoalbuminemia. Protein binding of which drug is not affected:

Variants of answer:

- a) tolbutamide
- b) morphine
- c) diazepam
- d) valproate
- e) phenazepam

5. A drug is more likely to cause toxicity in elderly patients due to all of the following reasons, except:

Variants of answer:

- a) decreased renal excretion of drugs
- b) decreased hepatic metabolism
- c) increased receptor sensitivity
- d) decreased volume of distribution
- e) increased volume of distribution

6. K_m of an enzyme is:

Variants of answer:

- a) dissociation constant
- b) the normal physiological substrate concentration
- c) the substrate concentration at half maximal velocity
- d) numerically identical for all isozymes that catalyze a given reaction
- e) constant of elimination

7. Therapeutic index is a measure of a drug's:

Variants of answer:

- a) safety
- b) potency
- c) efficacy
- d) toxicity
- e) side effects

8. ED 50 is a measure of:

Variants of answer:

- a) toxicity
- b) safety
- c) potency
- d) efficacy
- e) quality

9. A highly ionized drug:

Variants of answer:

- a) is excreted mainly by the kidney
- b) can cross the placental barrier easily
- c) is well absorbed from the intestine
- d) accumulates in the cellular lipids
- e) is excreted by the intestine

10. A highly ionized drug:

Variants of answer:

- a) is excreted mainly by the kidneys
- b) crosses the placental barrier easily
- c) is well absorbed from the intestine
- d) is highly protein bound
- e) accumulates in the cellular lipids

11. Which of the following is true?

Variants of answer:

- a) as the concentration of a drug increases over the therapeutic range, the bound form of the drug increases
- b) the bound form is not available for metabolism but is available for excretion
- c) acidic drug binds to albumin; and basic drug binds zeta globulin

- d) binding sites are non-specific and one drug can displace the other
- e) ionized drug can cross the placental barrier

12. All are reasons for reducing drug, except:

Variants of answer:

- a) they are lean and their body mass is less
- b) have decreasing renal function with age
- c) have increased baroreceptor sensitivity
- d) body water is decreased
- e) have decreased baroreceptor sensitivity

13. True statement regarding inverse agonist is:

Variants of answer:

- a) binds to receptor and causes intended action
- b) binds to receptor and causes opposite action
- c) binds to receptor and causes no action
- d) binds to receptor and causes submaximal action
- e) binds to receptor and causes minimal action

14. Entropy in a biological system does not increase because:

Variants of answer:

- a) it is an open system
- b) it is a closed system
- c) it is a governed by vitalism
- d) it is a related to thermodynamics
- e) it is an reduced system

15. Which of the following is true regarding a system which favours oscillatory responses:

Variants of answer:

- a) proportional component
- b) has a greater gain
- c) has a lesser gain
- d) positive feedback system
- e) negative feedback system

16. Regarding efficacy and potency of a drug, all are true, except:

Variants of answer:

- a) in a clinical setup, efficacy is more important than potency
- b) in the log dose response curve, the height of the curve corresponds with efficacy
- c) ED₅₀ of the drug corresponds to efficacy
- d) drugs that produce a similar pharmacological effect can have different levels of efficacy
- e) bioavailability is 100% intravenously

17. 'First-pass effect' is seen with which route of administration:

Variants of answer:

- a) oral
- b) sublingual
- c) intramuscular
- d) intravenous
- e) subcutaneous

18. Therapeutic index of a drug is an indicator of its:

Variants of answer:

- a) potency
- b) safety
- c) toxicity
- d) efficacy
- e) side effects

19. All of the following statements regarding bioavailability of a drug are true, except:

Variants of answer:

- a) it is the proportion (fraction) of unchanged drug that reaches the systemic circulation
- b) bioavailability of an orally administered drug can be calculated by comparing the Area Under Curve (AUC) after oral and intravenous (iv) administration
- c) low oral bioavailability always and necessarily mean poor absorption
- d) bioavailability can be determined from plasma concentration or urinary excretion data
- e) bioavailability is 100% intravenously

20. Presence of food might be expected to interfere with drug absorption by slowing gastric emptying or by altering the degree of ionisation of the drug in the stomach.

Which of the following statements is not correct example:

Variants of answer:

- a) absorption of digoxin is delayed by the presence of food
- b) concurrent food intake may severely reduce the rate of absorption of phenytoin
- c) presence of food enhances the absorption of hydrochlorothiazide
- d) antimalarial drug halofantrine is more extensively absorbed if taken with food
- e) omeprazole must be taken before meal

21. Cardiac or central nervous system toxicity may result when standard lidocaine doses are administered to patients with circulatory failure. This may be due to the following reason:

Variants of answer:

- a) lidocaine concentration are initially higher in relatively well perfused tissues such as brain and heart
- b) histamine receptors in brain and heart gets suddenly activated in circulatory failure

- c) there is a sudden out-burst of release of adrenaline, noradrenaline and dopamine in brain and heart
- d) lidocaine is converted into a toxic metabolite due to its longer stay in liver
- e) lidocaine have bad bioavailability

22. The extent to which ionisation of a drug takes place is dependent upon pKa of the drug and the pH of the solution in which the drug is dissolved. Which of the following statements is not correct:

Variants of answer:

- a) pKa of a drug is the pH at which the drug is 50% ionized
- b) small changes of pH near the pKa of a weak acidic drug will not affect its degree of ionization.
- c) knowledge of pKa of a drug is useful in predicting its behaviour in various body fluids.
- d) phenobarbitone with a pKa of 7.2 is largely ionized at acid pH and will be about 40% non- ionised in plasma
- e) pKa of a drug is the pH at which the drug is 50% nonionized

23. Dosage of drug is determined by following, except:

Variants of answer:

- a) volume of distribution
- b) half-life
- c) lipid solubility
- d) excretion
- e) water solubility

24. The max effect of a drug is defined by its:

Variants of answer:

- a) therapeutic index
- b) potency
- c) efficacy
- d) adversity
- e) toxicity

25. Characteristic feature of agonist is:

Variants of answer:

- a) has affinity only
- b) has affinity as well as intrinsic activity
- c) has intrinsic activity only
- d) neither has affinity nor activity
- e) have ctivity only

26. True about efficacy and potency of drugs:

Variants of answer:

- a) efficacy is clinically more important than potency

- b) height of DRC corresponds to efficacy
- c) the amount of drugs to produce certain response is called efficacy
- d) drugs having similar pharmacological action may have different efficacy
- e) potency is clinically more important than efficacy

27. On I.V. drug administration elimination of a drug depend on:

Variants of answer:

- a) lipid solubility
- b) volume of distribution
- c) clearance
- d) drug concentration
- e) proteins

28. Alkalinity of urine is done in:

Variants of answer:

- a) barbiturate poisoning
- b) lithium toxicity
- c) alprazolam overdose
- d) diazepam toxicity
- e) clonidine toxicity

29. About acidic drug true is:

Variants of answer:

- a) best absorbed in acidic medium
- b) best absorbed in alkaline medium
- c) not absorbed in acidic medium
- d) binds to alpha glycoprotein
- e) binds to beta glycoprotein

30. Drug transport mechanism includes:

Variants of answer:

- a) active transport
- b) passive transport
- c) filtration
- d) all
- e) pinocytosis

31. IV drug duration of action depends on:

Variants of answer:

- a) protein binding
- b) clearance
- c) distribution volume
- d) lipid solubility
- e) all
- f) absorption in stomach

32. True about Routes of drug administration:

Variants of answer:

- a) 80% bio-availability by I.V. injection
- b) I.M. administration needs sterile technique
- c) I.D. injection produces local tissue necrosis and irritation
- d) inhalation produces delayed systemic bio-availability
- e) 88% bio-availability by I.V. injection

33. Volume of distribution of drugs altered in:

Variants of answer:

- a) obesity
- b) athletes
- c) pregnancy
- d) older age
- e) neonate

34. Drug distribution is Influenced by:

Variants of answer:

- a) drug binding
- b) drug solubility
- c) degree of blood flow
- d) age
- e) nationality

35. In drug antagonist, 1st event to occur is:

Variants of answer:

- a) deactivation of receptors
- b) receptor configuration changes
- c) A&B
- d) none
- e) decreasing of ensiivity

36. True regarding dose-response curve is:

Variants of answer:

- a) cannot determine the potency of a drug
- b) log dose response curve is sigmoid shaped
- c) cannot find response to antagonist
- d) a wide range of doses cannot be plotted
- e) log dose response curve is delta shaped

37. Loading dose depends on:

Variants of answer:

- a) volume of distribution
- b) clearance
- c) rate of administration

- d) half-life
- e) way of administration

38. Side effects of a drug arise due to the interactions of the drug to molecules other than the target. These effects of a drug can be minimized by its high:

Variants of answer:

- a) specificity
- b) affinity
- c) solubility
- d) hydrophobicity
- e) potency

39. Which of the following property of drug will enable it to be used in low concentrations:

Variants of answer:

- a) high affinity
- b) high specificity
- c) low specificity
- d) high stability
- e) low stability

40. Loading dose depends upon:

Variants of answer:

- a) volume of distribution
- b) plasma clearance
- c) route of administration
- d) half-life
- e) metabolism

41. Which of the following does NOT cause bone marrow suppression:

Variants of answer:

- a) daunorubicin
- b) cisplatin
- c) cyclophosphamide
- d) vincristine
- e) vinblastin

42. All of the following Anticancer agents cause bone marrow depression, except:

Variants of answer:

- a) chlorambucil
- b) daunorubicin
- c) doxorubicin
- d) flutamide
- e) karubicine

43. Which of the following is a side effect of chemotherapeutic agents:

Variants of answer:

- a) dermatitis
- b) teratogenicity
- c) BM suppression
- d) hypertension
- e) all

44. Non-myelosuppressive agent is:

Variants of answer:

- a) vinblastine
- b) vincristine
- c) bleomycin
- d) methotrexate
- e) daunorubicine

45. Bone marrow aplasia is seen with all, except:

Variants of answer:

- a) methicillin
- b) chloramphenicol
- c) alpha methylhydantoin
- d) phenylbutazone
- e) daunorubicine

46. Bone marrow depression is seen with chronic administration of:

Variants of answer:

- a) isoflurane
- b) N₂O
- c) ether
- d) halothane
- e) sevoflurane

47. All of the following can cause hemolytic anaemia, except:

Variants of answer:

- a) isoniazid
- b) rifampicin
- c) co-trimoxazole
- d) propranolol
- e) phenylhydrazin

48. Most important side effect of dapsone is hemolytic anemia, the next adverse effect:

Variants of answer:

- a) G-6-PD deficiency
- b) infectious mononucleosis like syndrome

- c) agranulocytosis
- d) lichenoid eruption
- e) skin pigmentation

49. Drug not causing active hepatitis:

Variants of answer:

- a) INH
- b) methyldopa
- c) chlorpromazine
- d) oxyphenacetin
- e) paracetamol

50. Hepatotoxic drugs are all, except:

Variants of answer:

- a) N₂O
- b) halothane
- c) enflurane
- d) chloform
- e) sevoflurane

51. Cholestatic jaundice is caused by:

Variants of answer:

- a) INH
- b) glibenclamide
- c) rifampicin
- d) chlorpropamide
- e) nimesulide

52. All are used to treat hypercalcemia, except:

Variants of answer:

- a) D-penicillamine
- b) corticosteroid
- c) biphosphonate
- d) mithramycin
- e) furosemide

53. All are used in management of hypercalcemia, except:

Variants of answer:

- a) mithramycin
- b) penicillamine
- c) bisphosphonates
- d) steroids
- e) furosemide

54. Hyperglycemia can be caused by all, except:

Variants of answer:

- a) theophylline
- b) chlorthiazides
- c) corticosteroids
- d) furosemide
- e) indapamid

55. All of the following cause hyperglycemia, except:

Variants of answer:

- a) thiazide
- b) diazoxide
- c) theophylline
- d) pentamidine
- e) furosemide

56. Hyperkalemia is caused by:

Variants of answer:

- a) amphotericin B
- b) ACE inhibitors
- c) cyclosporine
- d) GM-CSF
- e) succinylcholine

57. Hyperkalemia is associated with:

Variants of answer:

- a) ACE inhibitors
- b) chlorthalidone
- c) amphotericin B
- d) amiodarone
- e) rifampicin

58. All the following drugs may cause hyperkalemia, except:

Variants of answer:

- a) cyclosporine
- b) amphotericin
- c) heparin
- d) NSAIDs
- e) spironolacton

59. Hyperlipidemia is caused by intake of:

Variants of answer:

- a) calcium channel blockers
- b) beta-blocker
- c) methyl dopa
- d) reserpine

e) alfa-blocker

60. Hyponatremia is caused by:

Variants of answer:

- a) prednisolone
- b) fludrocortisone
- c) hydrocortisone
- d) dexamethasone
- e) triamcinolone

61. Which of the following drug does not cause hypokalemia:

Variants of answer:

- a) gentamicin
- b) propranolol
- c) amphotericin B
- d) amiodarone
- e) spironolactone

62. Drug which causes hypothyroidism is:

Variants of answer:

- a) carbamazepine
- b) lithium
- c) sulphur
- d) methotrexate
- e) beta-agonists

63. Intracranial pressure may be increased by all of the following drugs, except:

Variants of answer:

- a) hypervitaminosis A
- b) corticosteroids
- c) quinolones
- d) aminoglycosides
- e) nitroglycerin

64. All of the following cause macrocytic anaemia, except:

Variants of answer:

- a) primaquine
- b) methotrexate
- c) trimethoprim
- d) azathioprine
- e) phenacetin

65. Which one of the following drugs does not interfere with folic acid metabolism?

Variants of answer:

- a) phenytoin

- b) gabapentin
- c) phenobarbitone
- d) primidone
- e) diphenin

66. Megaloblastic anemia is a side effect of long term therapy with:

Variants of answer:

- a) diazepam
- b) INH
- c) phenobarbitone
- d) lithium
- e) lidocaine

67. Drugs causing metallic taste:

Variants of answer:

- a) antimicrobials
- b) angiotensin receptor blockers
- c) anticancer drugs
- d) NSAID's
- e) gold

68. The drug which does not cause myopathy is:

Variants of answer:

- a) chloroquine
- b) betamethasone
- c) chloramphenicol
- d) zidovudine
- e) lamivudine

69. Statin induced myopathy is NOT exacerbated by which of the following drugs:

Variants of answer:

- a) nicotinic acid
- b) enalapril
- c) erythromycin
- d) clofibrate
- e) fenofibrate

70. Drug induced myopathy can be caused by all of the following, except:

Variants of answer:

- a) atorvastatin
- b) d-penicillamine
- c) ciprofloxacin
- d) chloroquine
- e) lovastatin

71. Which drug is implicated in the causation of nephrotic syndrome:

Variants of answer:

- a) gold
- b) amphotericin B
- c) rifampicin
- d) ibuprofen
- e) captopril

72. Which does NOT cause optic neuropathy:

Variants of answer:

- a) penicillin
- b) INH
- c) ethambutol
- d) chloramphenicol
- e) digoxin

73. Regarding adverse reaction, all are correct, except:

Variants of answer:

- a) Methysergide - Retroperitoneal fibrosis
- b) Rifampicin - Optic neuritis
- c) Saralasin - AT₂ receptor antagonist
- d) Ethambutol - Retrobulbar neuritis
- e) Captopril-hyperkalemia

74. Which drug causes osteoporosis on long-term use:

Variants of answer:

- a) estrogen
- b) progesterone
- c) GnRH analogues
- d) warfarin
- e) adrenalin

75. Drugs causing osteoporosis:

Variants of answer:

- a) vit K
- b) lithium
- c) dilantin
- d) heparin
- e) etidronate

76. Osteoporosis is a recognized feature of:

Variants of answer:

- a) early menopause
- b) heparin
- c) Marfan syndrome

- d) thyrotoxicosis
- e) all

77. Following drugs cause pancreatitis, except:

Variants of answer:

- a) captopril
- b) furosemide
- c) valproic acid
- d) didanosine
- e) etacrynic acid

78. Peripheral neuropathy may occur with the use of all the following, except:

Variants of answer:

- a) vincristine
- b) cisplatin
- c) L-Asparaginase
- d) procarbazine
- e) vinblastine

79. The following drug has maximum propensity to cause peripheral neuropathy:

Variants of answer:

- a) didanosine
- b) zidovudine
- c) stavudine
- d) lamivudine
- e) foscarnet

80. Drugs causing predominantly sensory neuropathy:

Variants of answer:

- a) cisplatin
- b) pyridoxine excess
- c) GB syndrome
- d) suramine
- e) paracetamol

81. Motor neuropathy caused by:

Variants of answer:

- a) dapsone
- b) cisplatin
- c) arsenic
- d) lead
- e) hypothyroidism

82. Pleural fibrosis caused by:

Variants of answer:

- a) phenytoin
- b) methysergide
- c) amiodarone
- d) ergotamine
- e) ranitidine

83. Which of the following does not cause thrombocytopenia:

Variants of answer:

- a) chlorpropamide
- b) phenobarbitone
- c) quinine
- d) thiazide
- e) heparin

84. One of the following drugs does not increase the serum level of Theophylline:

Variants of answer:

- a) erythromycin
- b) corticosteroids
- c) ofloxacin
- d) ciprofloxacin
- e) norfloxacin

85. Theophylline concentration is NOT interfered by:

Variants of answer:

- a) rifampicin
- b) clarithromycin
- c) erythromycin
- d) ciprofloxacin
- e) ofloxacin

86. Therapeutic effects of Theophylline is enhanced by all, except:

Variants of answer:

- a) cimetidine
- b) smoking
- c) erythromycin
- d) congestive heart failure
- e) warfarin

87. Theophylline levels are increased in all, except:

Variants of answer:

- a) erythromycin
- b) smoking
- c) cimetidine
- d) CHF
- e) warfarin

88. All are true regarding treatment with aminophylline, except:

Variants of answer:

- a) it decreases the oxygen tension
- b) its dose is to be decreased in smokers
- c) it increases the contractility of the diaphragm
- d) interaction with erythromycin can increase its toxicity
- e) interaction with cimetidine can increase its toxicity

89. A known case of COPD who is on theophylline develops severe respiratory infection. For treatment which of the following antibiotics should be avoided so as to avoid interaction with theophylline:

Variants of answer:

- a) erythromycin
- b) ciprofloxacin
- c) amoxicillin
- d) cephalexin
- e) cephalosporin

90. Which enzyme is inhibited by aminophylline?

Variants of answer:

- a) monoamine oxidase
- b) alcohol dehydrogenase
- c) phosphodiesterase
- d) cytochrome P-450
- e) CYP2C19

91. With which of the following theophylline has an antagonistic interaction?

Variants of answer:

- a) histamine receptors
- b) bradykinin receptor
- c) adenosine receptors
- d) imidazoline receptors
- e) alpha receptors

92. All of the following statements are true about theophylline, except:

Variants of answer:

- a) increase in dose is required in cardiopulmonary disease
- b) increases cAMP
- c) increase in dose is required in smokers
- d) inhibits phosphodiesterase
- e) increases catecholamines

93. All the following affect the metabolism of Theophylline, except:

Variants of answer:

- a) erythromycin

- b) smoking
- c) cimetidine
- d) steroids
- e) CHF

94. If Theophylline is used with Ciprofloxacin:

Variants of answer:

- a) toxicity of Theophylline increases
- b) efficacy decreases
- c) activity of Ciprofloxacin increases
- d) it decreases absorption of Theophylline
- e) it eliminates rapidly

95. Drugs which increase level of Theophylline include:

Variants of answer:

- a) ciprofloxacin
- b) barbiturates
- c) cimetidine
- d) allopurinol
- e) phenytoin

96. The loading dose of Aminophylline is:

Variants of answer:

- a) 50-75 mg/kg
- b) 0.5-1.0 mg/ kg
- c) 2.0-3.5 mg/kg
- d) 5-6 mg/kg
- e) 0.9-1.7 mg/ kg

97. Which of the following enzyme is inhibited by Aminophylline:

Variants of answer:

- a) monoamine oxidase
- b) alcohol dehydrogenase
- c) cytochrome P-450
- d) phosphodiesterase
- e) CYP2C19

98. True about Zafirlukast is:

Variants of answer:

- a) it inhibits lipoxygenase pathway
- b) it decreases the frequency equal to glucocorticoids
- c) it blocks LT receptor
- d) it is effective in acute bronchial asthma
- e) given orally

99. All are long acting bronchodilators, except:

Variants of answer:

- a) indacaterol
- b) salmeterol
- c) formoterol
- d) adrenaline
- e) terbutalin

100. All increase blood Theophylline levels, except:

Variants of answer:

- a) smoking
- b) erythromycin
- c) allopurinol
- d) cimetidine
- e) cyclosporine A

101. What is the mode of action of Sodium Cromoglycate:

Variants of answer:

- a) mast cell stabilization
- b) antihistaminic
- c) anticholinergic
- d) none of the above
- e) antiadrenergic

102. An asthmatic patient is on theophylline suddenly developed infection, which of the following antibiotic should not be given to prevent side effects of theophylline:

Variants of answer:

- a) ampicillin
- b) erythromycin
- c) cephalexin
- d) sparfloxacin
- e) ofloxacin

103. The drug NOT used in acute asthma is:

Variants of answer:

- a) salbutamol
- b) ipratropium
- c) montelukast
- d) hydrocortisone
- e) prednisolone

104. Zileuton is:

Variants of answer:

- a) 5-lipoxygenase inhibitor
- b) TXA₂ inhibitor

- c) leukotriene receptor antagonist
- d) prostaglandins synthesis inhibitor
- e) mast cell membrane stabilizer

105. Inhibition of 5- lipoxygenase is useful in:

Variants of answer:

- a) cardiac failure
- b) bronchial asthma
- c) hepatic failure
- d) arthritis
- e) gout

106. Which one of the following is not an adverse effect of salbutamol:

Variants of answer:

- a) tachycardia
- b) tolerance
- c) hypokalemia
- d) hypoglycemia
- e) dizziness

107. Which of the following is a leukotriene antagonist?

Variants of answer:

- a) montelukast
- b) zileuton
- c) omalizumab
- d) nedocromil
- e) prednisolone

108. Ipratropium bromide is contraindicated in:

Variants of answer:

- a) asthma
- b) urinary retention
- c) hypertension
- d) peptic ulcer
- e) COPD

109. Tiotropium is used for:

Variants of answer:

- a) treating urinary retention
- b) treating ileus
- c) increasing salivation
- d) treating asthma
- e) treating myopia

110. The following are all true about Ipratropium bromide, except:

Variants of answer:

- a) used by inhalation
- b) ↓ IOP
- c) dryness of mouth
- d) scratching in trachea
- e) treating bronchial asthma

111. Cromolyn sodium is used for following actions:

Variants of answer:

- a) mast cell stabilization
- b) H₁-antihistamine
- c) phosphodiesterase inhibitor
- d) inhibition of cyclooxygenase
- e) leukotriene receptors inhibitor

112. Steroids in asthma:

Variants of answer:

- a) decreases sensitivity of bronchial epithelium to allergen
- b) decreases inflammatory response
- c) increases action of bronchodilators
- d) cause potent bronchodilation
- e) can be taken subcutaneously

113. Uses of salbutamol are/is:

Variants of answer:

- a) acute asthma
- b) premature labour
- c) bronchitis
- d) asthma prophylaxis
- e) COPD

114. True about Zafirlukast is:

Variants of answer:

- a) it inhibits lipoxygenase pathway
- b) it decreases the frequency equal to glucocorticoids
- c) it blocks LT-1 receptor
- d) it is effective in acute bronchial asthma
- e) given orally

115. Long acting beta-2 agonist?

Variants of answer:

- a) albuterol
- b) salmeterol
- c) pirbuterol
- d) orciprenaline

e) salbutamol

116. Long acting beta-2 agonists:

Variants of answer:

- a) orciprenaline
- b) salmeterol
- c) albuterol
- d) pirbuterol
- e) salbutamol

117. Which of the following is used in β -blocker overdose:

Variants of answer:

- a) atropine
- b) norepinephrine
- c) glucagon
- d) thyroxin
- e) protamine

118. Contraindications of β -blockers:

Variants of answer:

- a) asthma
- b) CHF
- c) HTN
- d) arrhythmias
- e) arterial hypertension

119. B-blockers are used in all, except:

Variants of answer:

- a) hypertension
- b) thyrotoxicosis
- c) variant angina
- d) all of the above
- e) tachyarrhythmias

120. Timolol can be given in all, except:

Variants of answer:

- a) myocardial infarction
- b) bronchial asthma
- c) peptic ulcer
- d) Congestive Heart failure (CHF)
- e) thyrotoxicosis

121. All are true about β -blockers, except:

Variants of answer:

- a) atenolol is longer acting than metoprolol
- b) labetalol has both alpha and beta blocking action
- c) carvedilol has alpha agonistic and selective beta-1 blocking action
- d) nadolol has longest half-life
- e) propranolol is selective beta-blocker

122. The following is not true about the use of β -blockers in heart failure:

Variants of answer:

- a) it should be initiated at very low dose
- b) it is most effective in new onset decompensated heart failure
- c) slow upward titration of dose is required
- d) carvedilol is most widely used in this condition
- e) it should be initiated at minimal dose

123. All of the following are nonselective β -blockers with additional actions, except:

Variants of answer:

- a) carvedilol
- b) betaxalol
- c) dilevalol
- d) labetalol
- e) carvenal

124. All of the following are selective beta-1 blockers, except:

Variants of answer:

- a) atenolol
- b) metoprolol
- c) labetalol
- d) betaxolol
- e) bisoprolol

125. Beta-blocker with peripheral vasodilator action is:

Variants of answer:

- a) carvedilol
- b) propranolol
- c) atenolol
- d) acebutalol
- e) propranolol

126. Beta-blocker that can be used in renal failure is all, except:

Variants of answer:

- a) propranolol
- b) pindolol
- c) sotalol
- d) oxyprenolol

e) celiprolol

127. All the following are selective β -blockers, except:

Variants of answer:

- a) atenolol
- b) esmolol
- c) bisoprolol
- d) celiprolol
- e) metoprolol

128. Which of the following has the shortest plasma half-life:

Variants of answer:

- a) propranolol
- b) esmolol
- c) timolol
- d) atenolol
- e) metoprolol

129. Which of the following does not cause bradycardia:

Variants of answer:

- a) propranolol
- b) hydralazine
- c) clonidine
- d) reserpine
- e) metoprolol

130. Propranolol is indicated in all of the following conditions, except:

Variants of answer:

- a) thyrotoxicosis
- b) variant angina
- c) migraine
- d) hypertension
- e) tachyarrhythmias

131. Antiadrenergic drug which crosses the blood – brain barrier minimally is:

Variants of answer:

- a) propranolol
- b) atenolol
- c) oxprenolol
- d) alprenolol
- e) bisoprolol

132. Beta-blocker acts by:

Variants of answer:

- a) ↓ cardiac output

- b) ↓ HR
- c) ↓ BP
- d) all
- e) ↓ conductivity

133. In a person with HR = 120, rate is reduced by:

Variants of answer:

- a) propranolol
- b) phentolamine
- c) phenoxybenzamine
- d) prazosin
- e) doxazosin

134. Combination use of beta blockers and calcium channel blockers cause:

Variants of answer:

- a) heart block
- b) hypertension
- c) hypotension
- d) bradycardia
- e) tachyarrhythmias

135. Use of timolol in the eye can cause:

Variants of answer:

- a) AV block
- b) bradycardia
- c) hypertension
- d) hypotension
- e) asthma

136. Side effect of timolol maleate:

Variants of answer:

- a) hypertension
- b) asthma
- c) depression
- d) tachycardia
- e) hypotension

137. True about Carvedilol:

Variants of answer:

- a) alfa-1, beta-1 blocker
- b) beta-1 blocker
- c) beta-2 blocker
- d) antioxidant
- e) used in hypotension

138. Esmolol true is/are:

Variants of answer:

- a) alfa blocker
- b) long half-life
- c) not cardioselective
- d) used in LV decompensation
- e) cause bradycardia

139. True about Esmolol:

Variants of answer:

- a) it is beta1, beta2-blocker
- b) it has no intrinsic activity
- c) it has longer half-life
- d) it precipitates heart failure
- e) alpha-blocker

140. True about Esmolol:

Variants of answer:

- a) it is a cardioselective
- b) it increases the airway resistance
- c) it causes tachycardia
- d) its half-life is 4 hrs
- e) it indicates in AV-blockade

141. Combined Alfa & Beta blocker are all, except:

Variants of answer:

- a) pindolol
- b) dilevalol
- c) carvedilol
- d) labetalol
- e) carvedilol

142. Properties making cardioselective beta blockers desirable are:

Variants of answer:

- a) less bronchoconstriction
- b) adverse effect on lipid profile
- c) cause glucose intolerance
- d) may be used in Raynaud's disease
- e) less liable to impair exercise capacity

143. High hepatic excretion ratio seen in:

Variants of answer:

- a) propranolol
- b) lidocaine
- c) ampicillin

- d) imipramine
- e) theophylline

144. Blood brain barrier crossed by:

Variants of answer:

- a) dopamine
- b) propranolol
- c) glycopyrrolate
- d) physostigmine
- e) streptomycine

145. B-blockers with intrinsic sympathomimetic properties are all, except:

Variants of answer:

- a) propranolol
- b) oxprenolol
- c) practolol
- d) pindolol
- e) celiprolol

146. Bacteriocidal in ATT is:

Variants of answer:

- a) pyrazinamide
- b) ethambutol
- c) PAS
- d) rifampicin
- e) isoniazid

147. Bactericidal in ATT is:

Variants of answer:

- a) pyrazinamide
- b) ethambutol
- c) PAS
- d) rifampicin
- e) isoniazid

148. Pyridoxine deficiency is seen in:

Variants of answer:

- a) isoniazid
- b) CRF
- c) L. congestive heart failure
- d) alcohol
- e) smokig

149. Administration of which drug may lead to neuropsychiatric symptoms:

Variants of answer:

- a) cycloserine
- b) ethionamide
- c) rifampicin
- d) cephalosporins
- e) neomycin

150. All are features of ethambutol toxicity, except:

Variants of answer:

- a) retrobulbar neuritis
- b) colour vision defects
- c) hyperuricemia
- d) hypercalcemia
- e) skin rash

151. Hyperuricemia is a side effect of:

Variants of answer:

- a) INH
- b) rifampicin
- c) streptomycin
- d) pyrazinamide
- e) ofloxacin

152. A middle aged old man, with chronic renal failure is diagnosed to have sputum-positive pulmonary tuberculosis. His creatinine clearance is 25ml/min. All of the following drugs need modification in doses, except:

Variants of answer:

- a) isoniazid
- b) streptomycin
- c) rifampicin
- d) ethambutol
- e) kanamycin

153. Orange colored urine is due to:

Variants of answer:

- a) rifampicin
- b) INH
- c) pyrazinamide
- d) ethambutol
- e) ofloxacin

154. A 30 year old pregnant woman developed tuberculosis. Which of the following antitubercular drugs should not be used:

Variants of answer:

- a) INH
- b) rifampicin

- c) streptomycin
- d) ethambutol
- e) amikacin

155. Patients suffering from multidrug resistant tuberculosis can be treated with all the following drugs, except:

Variants of answer:

- a) tobramycin
- b) amikacin
- c) ciprofloxacin
- d) clarithromycin
- e) INH

156. All of the following are examples of bactericidal drugs, except:

Variants of answer:

- a) INH
- b) rifampicin
- c) ethambutol
- d) pyrazinamide
- e) rifabutine

157. All of the following are drugs for ATT, except:

Variants of answer:

- a) kanamycin
- b) cycloserine
- c) 5-flucytosine
- d) ofloxacin
- e) amikacin

158. The treatment of contacts of meningococcal meningitis is by:

Variants of answer:

- a) rifampicin
- b) erythromycin
- c) penicillin
- d) cephalosporins
- e) INH

159. A diabetic female on INH and rifampicin for TB suffers DVT; She is started on warfarin; PT is not raised; next step should be:

Variants of answer:

- a) long term heparin therapy
- b) replace warfarin with acecoumarin
- c) switch ethambutol for rifampin
- d) use LMW heparin
- e) replace klopidothrel

160. The drug inhibiting DNA-dependent RNA polymerase in Mycobacteria is:

Variants of answer:

- a) INH
- b) rifampicin
- c) ciprofloxacin
- d) ethionamide
- e) amikacin

161. Which of the following is not a hepatotoxic drug:

Variants of answer:

- a) ethambutol
- b) rifampicin
- c) INH
- d) cycloserine
- e) amikacin

162. Administration of one of the following drugs is known to result in neuropsychiatric symptoms:

Variants of answer:

- a) rifampicin
- b) cycloserine
- c) ethionamide
- d) cephalosporine
- e) ofloxacin

163. Which antitubercular drug metabolism is under genetic control:

Variants of answer:

- a) rifampicin
- b) INH
- c) cyclosporine
- d) PZM
- e) kanamycin

164. Drug given in the continuation phase of category II:

Variants of answer:

- a) isoniazid
- b) streptomycin
- c) ethambutol
- d) pyrazinamide
- e) rifampicin

165. Hepatitis is a side effect of following, except:

Variants of answer:

- a) INH

- b) rifampicin
- c) pyrazinamide
- d) ethambutol
- e) paracetamol

166. Toxicity of cycloserine is enhanced by:

Variants of answer:

- a) INH
- b) amphotericin B
- c) simvastatin
- d) alcohol
- e) ethambutol

167. ATT which is bactericidal:

Variants of answer:

- a) INH
- b) pyrazinamide
- c) ethambutol
- d) PAS
- e) rifampicin

168. Hypothyroidism may be caused by:

Variants of answer:

- a) ethionamide
- b) thiocetazone
- c) ethambutol
- d) streptomycin
- e) INH

169. Urine is colored by:

Variants of answer:

- a) thiamine
- b) rifampicin
- c) mepacrine
- d) INH
- e) riboflavin

170. Cross resistance of isoniazid is seen with:

Variants of answer:

- a) rifampicin
- b) ethionamide
- c) cycloserine
- d) ethambutol
- e) amikacin

171. All of the following are true about therapy for tuberculosis, except:

Variants of answer:

- a) 'flu like syndrome' is usually seen in people taking rifampicin on daily basis
- b) ethambutol accumulates in renal failure
- c) hyperuricemia is a recognized side effect of pyrazinamide
- d) red-green color impairment is an early sign of ethambutol induced optic neuritis
- e) deficiency of pyridoxine is for ethambutol

172. Which ATT will cause transient memory loss:

Variants of answer:

- a) ethionamide
- b) INH
- c) ethambutol
- d) pyrazinamide
- e) amikacin

173. Clinically significant drug interaction occurs between pyridoxine and all the following drugs, except:

Variants of answer:

- a) isoniazid
- b) cyclosporine
- c) levodopa
- d) hydralazine
- e) carbidopa

174. Altered taste sensation is caused by:

Variants of answer:

- a) pefloxacin
- b) rifampicin
- c) ciprofloxacin
- d) captopril
- e) ofloxacin

175. Which of the following is NOT a prodrug:

Variants of answer:

- a) lisinopril
- b) enalapril
- c) levodopa
- d) sulindac
- e) perindopril

176. Altered taste sensation is caused by:

Variants of answer:

- a) pefloxacin
- b) ciprofloxacin

- c) captopril
- d) rifampicin
- e) ethambutol

177. An elderly hypertensive has diabetes mellitus and bilateral renal artery stenosis. The best management is:

Variants of answer:

- a) enalapril
- b) verapamil
- c) beta blockers
- d) thiazides
- e) alfa-blocker

178. Basanti , 23 year old pregnant woman presents with features of dilated cardiomyopathy. Which of the following drugs you will NOT give to treat her:

Variants of answer:

- a) digoxin
- b) ACE inhibitors
- c) diuretics
- d) vasodilators
- e) NO donators

179. Which one of the following is not an adverse effect of ACE inhibitors:

Variants of answer:

- a) cough
- b) hypokalemia
- c) angioneurotic edema
- d) skin rash
- e) bronchospasmus

180. Enalapril is contraindicated in all of the following, except:

Variants of answer:

- a) diabetic nephropathy with albuminuria
- b) single kidney
- c) bilateral renal artery stenosis
- d) hyperkalemia
- e) CHF

181. All are side effects of Lisinopril, except:

Variants of answer:

- a) dizziness
- b) jaundice
- c) cough
- d) angioneurotic edema
- e) hyperkalemia

182. Side-effects of Captopril are all, except:

Variants of answer:

- a) cough
- b) hyperkalemia
- c) renal dysfunction
- d) hemolytic anemia
- e) hypotension

183. Which of the following is not true about enalapril:

Variants of answer:

- a) it is a prodrug
- b) it is a dipeptide
- c) it is more effective than captopril
- d) has less adverse effects
- e) it must metabolize in the liver

184. Examples of prodrug are all, except:

Variants of answer:

- a) levodopa
- b) omeprazole
- c) enalapril
- d) indomethacin
- e) perindopril

185. ACE inhibitors are contraindicated in:

Variants of answer:

- a) U/L renal artery stenosis with single kidney
- b) proteinuria with DM
- c) MI
- d) hypotension
- e) CHF

186. ACE inhibitors cause all, except:

Variants of answer:

- a) dry cough
- b) taste changes
- c) first dose hypotension
- d) ankle edema
- e) angioedema

187. All of the following are prodrugs, except:

Variants of answer:

- a) phenytoin
- b) dipivefrine

- c) enalapril
- d) mercaptopurine
- e) perindopril

188. Drugs which cause fetal renal anomalies:

Variants of answer:

- a) enalapril
- b) furosemide
- c) amlodipine
- d) phenytoin
- e) thorasemide

189. Action of Angiotensin II:

Variants of answer:

- a) systemic vasoconstriction
- b) systemic vasodilatation
- c) renal vasodilatation
- d) ↓ reabsorption of Na in proximal renal tubule
- e) decreases heart rate

190. Enalapril acts by:

Variants of answer:

- a) angiotensin converting enzyme inhibition
- b) angiotensin receptor blockade
- c) calcium channel blockade
- d) direct vasodilation
- e) vasoconstriction

191. A patient was started on antihypertensive medications; developed renal failure, the drug offended is:

Variants of answer:

- a) beta-blocker Alfa-blocker
- b) calcium channel blocker
- c) ACE inhibitor
- d) clonidine
- e) Sartans

192. All of the following are the indications for use of ACE inhibitors, except:

Variants of answer:

- a) hypertension
- b) Myocardial infarction
- c) Left ventricular dysfunction
- d) pheochromocytoma
- e) CHF

193. The most significant adverse effect of ACE inhibition is:

Variants of answer:

- a) hypotension
- b) hypertension
- c) hypocalcemia
- d) hypercalcemia
- e) hyperuricemia

194. Which is a prodrug?

Variants of answer:

- a) enalapril
- b) clonidine
- c) salmeterol
- d) acetazolamide
- e) lisinopril

195. Which of the following is not a prodrug:

Variants of answer:

- a) enalapril
- b) oxcarbazepine
- c) chloral hydrate
- d) diazepam
- e) perindopril

196. Use of the following drug to treat hypertension with pregnancy is contraindicated:

Variants of answer:

- a) enalapril
- b) methyldopa
- c) nifedipine
- d) labetalol
- e) metoprolol

197. One of the following is a prodrug:

Variants of answer:

- a) enalapril
- b) neostigmine
- c) esmolol
- d) captopril
- e) Lisinopril

198. All are true about Losartan, except:

Variants of answer:

- a) angiotensin II antagonist
- b) causes hyperuricemia

- c) does not cause cough
- d) long acting metabolites
- e) group of sartans

199. ACE inhibitors are contraindicated in bilateral renal artery stenosis, because:

Variants of answer:

- a) angiotensin II has direct effect on GFR
- b) enhances bradykinin action
- c) hyperreninism affects renal parenchyma
- d) affects prostaglandins
- e) affects leucotriens

200. A 60-year old hypertensive patient on Angiotensin II receptor antagonists (losartan) is posed for hernia repair surgery. The antihypertensive drug should be:

Variants of answer:

- a) continued till the day of operation
- b) discontinued 24 hrs preoperatively
- c) discontinued one week preoperatively
- d) administered in an increased dosage on the day of operation
- e) discontinued one month preoperatively

201. All of the following statements are true regarding Losartan, except:

Variants of answer:

- a) it is a competitive angiotensin receptor antagonist
- b) it has a long acting metabolite
- c) it is a prodrug
- d) causes hyperuricemia
- e) causes hyperkalemia

202. Uses of alfa-2 agonist, except:

Variants of answer:

- a) sedation
- b) HTN
- c) glaucoma
- d) BPH
- e) ischemia

203. Which has maximum nicotinic effect:

Variants of answer:

- a) bethanechol
- b) carbachol
- c) pilocarpine
- d) methacoline
- e) aceclidine

204. Which one of the following drugs increases gastro intestinal motility?

Variants of answer:

- a) glycopyrrolate
- b) atropine
- c) neostigmine
- d) fentanyl
- e) ipratropium

205. Sympathomimetic drugs are useful in the therapy of all of the following conditions, except:

Variants of answer:

- a) acute decompensated heart failure
- b) hypotension
- c) hypertension
- d) erectile dysfunction
- e) bradyarrhythmia

206. Neostigmine is a:

Variants of answer:

- a) primary ammonium compound
- b) secondary ammonium compound
- c) tertiary ammonium compound
- d) quaternary ammonium compound
- e) primary chloride compound

207. Drug of choice in acute central anticholinergic syndrome is:

Variants of answer:

- a) neostigmine
- b) physostigmine
- c) tacrine
- d) 4-aminopyridine
- e) pylocarpin

208. All of the following statements are true, except:

Variants of answer:

- a) IV noradrenaline increases systolic and diastolic BP and causes tachycardia
- b) IV adrenaline increases systolic, decreases diastolic BP and causes tachycardia
- c) IV isoproterenol causes no change in systolic, decreases diastolic BP and causes tachycardia
- d) dopamine decreases peripheral resistance and improves renal perfusion
- e) IV adrenaline decreases systolic, decreases diastolic BP and causes tachycardia

209. All are alfa-adrenergic agonists, except:

Variants of answer:

- a) mephentermine

- b) ritodrine
- c) methoxamine
- d) phenylephrine
- e) mezatol

210. Buprenorphine is a:

Variants of answer:

- a) partial agonist
- b) pure antagonist
- c) agonist-antagonist
- d) none of the above
- e) strong agonist

211. All of the following are reversible anticholinesterases, except:

Variants of answer:

- a) physostigmine
- b) ambenonium
- c) pyridostigmine
- d) echothiophate
- e) neostigmin

212. All of the following are features of sympathetic stimulation of heart, except:

Variants of answer:

- a) ↑ contractility
- b) ↑ heart rate
- c) ↑ refractory period
- d) ↑ conduction velocity
- e) ↑ automatism

213. All are classified as reversible anticholinesterases, except:

Variants of answer:

- a) ambenonium
- b) physostigmine
- c) pyridostigmine
- d) echothiophate
- e) neostigmin

214. Max. nicotinic effect is seen with:

Variants of answer:

- a) pilocarpine
- b) carbachol
- c) bethanechol
- d) methacholine
- e) atropin

215. Vasomotor reversal of Dale seen with:

Variants of answer:

- a) alpha blocker
- b) beta blocker
- c) alpha agonist
- d) beta agonist
- e) muscarinic agonist

216. Cheese reaction with MAO inhibitors is due to:

Variants of answer:

- a) guanethidine
- b) reserpine
- c) cough remedies
- d) tyramine
- e) serotonin

217. Dales vasomotor reversal:

Variants of answer:

- a) stimulation of alpha-1 receptors
- b) stimulation of alpha-2 receptors
- c) stimulation of beta-1 receptors
- d) stimulation of beta-2 receptors
- e) stimulation of muscarinic receptors

218. Neurochemical mechanism of analgesia:

Variants of answer:

- a) VR-1
- b) nicotinic cholinergic
- c) nocistatin pattern
- d) nociceptin pattern
- e) anandamide

219. True about tachyphylaxis:

Variants of answer:

- a) direct sympathemimetic involved
- b) mechanism clearly understood
- c) ephedrine tachyphylaxis reversed with noradrenaline
- d) indirect sympathomimetics involved
- e) it is an anaphylaxis reaction

220. Alpha one stimulation produces:

Variants of answer:

- a) HR ↑
- b) BP ↓
- c) HR ↓

- d) None
- e) Bronchospasmus

221. Ganglion blockers act by:

Variants of answer:

- a) inhibition of release of acetylcholine
- b) competing for acetylcholine receptor
- c) preventing conduction from pre-, postganglionic fiber
- d) inhibition of acetylcholine destruction
- e) inhibition of alpha receptors

222. Dale's vasomotor reversal is due to:

Variants of answer:

- a) alpha blocker
- b) beta blocker
- c) acetylcholine inhibitor
- d) all of the above
- e) nicotinic inhibitor

223. True of the following is/are:

Variants of answer:

- a) beta-1 receptors in heart stimulate its contractions
- b) beta-2 receptors in heart stimulate its contractions
- c) beta-3 receptors are present in smooth muscles
- d) alpha-receptors cause preganglionic stimulation
- e) alpha 1-receptors in heart stimulate its contractions

224. Neostigmine:

Variants of answer:

- a) it is a quaternary ammonium compound
- b) metabolised in liver
- c) it can cross the blood brain-barrier
- d) prominent effect on smooth muscles
- e) it is a primary ammonium compound

225. Which one of the following is not an alpha-adrenoreceptor agonist?

Variants of answer:

- a) clonidine
- b) phentolamine
- c) guanabenz
- d) guanfacine
- e) betaxolol

226. Neostigmine antagonizes nondepolarizing blockade by all of the following mechanisms, except:

Variants of answer:

- a) decreasing the breakdown of acetylcholine at the motor end plate
- b) preventing K⁺ efflux from the cell
- c) increasing the release of acetylcholine at the motor end plate
- d) depolarization of the motor end plate
- e) preventing Cl⁻ efflux from the cell

227. Impotence is most commonly caused by which antihypertensive agent:

Variants of answer:

- a) calcium channel blockers
- b) ACE inhibitors
- c) AT1 receptor antagonists;
- d) beta-blockers
- e) Sartans

228. Drug used for postoperative reversal of muscular paralysis:

Variants of answer:

- a) neostigmine
- b) pyridostigmine
- c) physostigmine
- d) d-tubocurarine
- e) galanthamin

229. All of the following can be associated with beta-2 agonists treatment, except:

Variants of answer:

- a) hyperkalemia
- b) hyperglycemia
- c) detrusor relaxation
- d) relaxation of gut and bronchial muscles
- e) preventing of preterm labour

230. All of the following may be associated with the use of Beta agonist in preterm labour, except:

Variants of answer:

- a) hyperkalemia
- b) hyperglycemia
- c) tachycardia
- d) relaxation of uterine muscles
- e) relaxation of gut and bronchial muscles

231. Which of the following drug increases serum level of Digitalis:

Variants of answer:

- a) probenecid
- b) hydrochlorothiazide
- c) amiodarone
- d) captopril

e) lisinopril

232. Which of the following is NOT indicated in Digitalis poisoning:

Variants of answer:

- a) potassium
- b) hemodialysis
- c) phenytoin
- d) lidocaine
- e) digitalis-antidot

233. Dose of digoxin is NOT altered in:

Variants of answer:

- a) old age
- b) hepatic disease
- c) renal disease
- d) hypercalcemia
- e) children

234. Mechanism of action of Digitalis is by inhibiting:

Variants of answer:

- a) Ca^{2+} channels
- b) Na^+/K^+ pump
- c) myoneural junction
- d) Na^+/H^+ pump
- e) Cl-channels

235. Digitalis acts in atrial fibrillation by:

Variants of answer:

- a) increasing AV node refractoriness
- b) decreasing AV node refractoriness
- c) both
- d) blocking Na^+/K^+ -ATPase pump
- e) increasing Na^+/K^+ -ATPase pump

236. Mechanism of action of digitalis is:

Variants of answer:

- a) inhibits Na^+/K^+ -ATPase pump
- b) inhibits Na^+/H^+ -ATPase pump
- c) active metabolites are produced in the liver
- d) inhibits calcium concentration in blood
- e) increase chloride concentration in blood

237. All are used in Digoxin toxicity, except:

Variants of answer:

- a) lidocaine

- b) hemodialysis
- c) phenytoin
- d) potassium
- e) digitalis-antidot

238. Which of the following interacts with Digitalis maximally:

Variants of answer:

- a) furosemide
- b) triamterene
- c) amiloride
- d) spironolactone
- e) mannitol

239. Digoxin dose has to be regulated in all, except:

Variants of answer:

- a) hepatotoxicity
- b) old age
- c) hypokalemia
- d) hypoxia
- e) old people

240. If a patient on digitals develops ventricular tachycardia, which of the following drugs you will NOT use in management:

Variants of answer:

- a) amiodarone
- b) quinidine
- c) phenytoin
- d) lidocaine
- e) drugs of potassium

241. The following drugs have significant drug interaction with digoxin, except:

Variants of answer:

- a) cholestyramine
- b) thiazide diuretics
- c) quinidine
- d) amlodipine
- e) thiazide-like diuretics

242. A 60 year old man with rheumatic mitral stenosis with atrial fibrillation is on therapy for a fast ventricular rate. While on treatment, he developed a regular pulse of 64 beats/min. The most likely drug being administered was:

Variants of answer:

- a) verapamil
- b) digoxin
- c) carvedilol

- d) propranolol
- e) labetalol

243. Digoxin is not indicated in:

Variants of answer:

- a) atrial flutter
- b) atrial fibrillation
- c) high output failure
- d) PSVT
- e) heart failure

244. Digoxin is contraindicated in:

Variants of answer:

- a) supraventricular tachycardia
- b) atrial fibrillation
- c) congestive heart failure
- d) hypertrophic obstructive cardiomyopathy
- e) stimulation of strength of the heart

245. The dose of Digoxin should be reduced when given along with:

Variants of answer:

- a) quinidine
- b) rifampicin
- c) indomethacin
- d) antacids
- e) captopril

246. Digoxin toxicity can be precipitated by all, except:

Variants of answer:

- a) phenytoin
- b) quinidine
- c) calcium
- d) verapamil
- e) lidocaine

247. Digitalis has inotropic action due to:

Variants of answer:

- a) initiation of Na^+/K^+ -ATPase
- b) trapping Ca^{2+} release
- c) inhibiting Na^+/K^+ -ATPase
- d) increase in intracellular K^+
- e) increase in intracellular Cl^-

248. Digoxin is used in CHF due to:

Variants of answer:

- a) HOCM
- b) high output failure
- c) AF with high ventricular rate
- d) all
- e) negative dromotropic action

249. Interaction occurring when quinine and digoxin are given together:

Variants of answer:

- a) quinine increases excretion of digoxin
- b) quinine displaces digoxin from protein binding sites
- c) increases the metabolism of digoxin
- d) digoxin causes cinchonism
- e) they don't interact

250. Best used in digoxin induced arrhythmia:

Variants of answer:

- a) phenytoin
- b) lidocaine
- c) quinidine
- d) procainamide
- e) ethacizin

251. Digoxin toxicity aggravated in:

Variants of answer:

- a) hypokalemia
- b) hyperkalemia
- c) hypercalcemia
- d) hypermagnesemia
- e) hypochloremia

252. Digoxin toxicity is precipitated by all, except:

Variants of answer:

- a) electrolyte disturbance
- b) acute myocardial infarction
- c) hepatic disease
- d) renal disease
- e) old age

253. NRTI:

Variants of answer:

- a) lamivudine
- b) zalcitabine
- c) nevirapine
- d) delavirdine
- e) ticlopidine

254. An HIV positive patient is on antiretroviral therapy with zidovudine, lamivudine and indinavir. He is proven to be suffering from genito-urinary tuberculosis. Which one of the following drugs should not be given to this patient:

Variants of answer:

- a) isoniazid
- b) rifampicin
- c) pyrazinamide
- d) ethambutol
- e) amikacin

255. Peripheral neuropathy is seen due to all prolonged use of all, except:

Variants of answer:

- a) zalcitabine
- b) didanosine
- c) stavudine
- d) lamivudine
- e) zidovudine

256. Dineshbhali Shah suffering from AIDS is on Zidovudine, Lamivudine and Indinavir therapy. He develops pulmonary tuberculosis for which treatment is to be started. Which of the following should be avoided in him?

Variants of answer:

- a) rifampicin
- b) INH
- c) ethambutol
- d) pyrazinamide
- e) amikacin

257. Which of the following will be optimum treatment in a patient of chronic hepatitis B whose serum AST levels are raised:

Variants of answer:

- a) lamivudine
- b) lamivudine + interferons
- c) immunoglobulins
- d) interferons
- e) all

258. All of the following drugs are protease inhibitors, except:

Variants of answer:

- a) nelfinavir
- b) saquinavir
- c) abacavir
- d) ritonavir
- e) indinavir

259. Nevirapine is a:

Variants of answer:

- a) protease inhibitor
- b) nucleoside reverse transcriptase inhibitor
- c) non-nucleoside reverse transcriptase inhibitor
- d) fusion inhibitor
- e) serotonin inhibitor

260. Nevirapine belongs to the following group:

Variants of answer:

- a) non-nucleoside reverse transcriptase inhibitor (NNRTI)
- b) protease inhibitor
- c) fusion inhibitor
- d) nucleoside reverse transcriptase inhibitor (NRTI)
- e) serotonin inhibitor

261. Which anti HIV drug does not cause peripheral neuropathy:

Variants of answer:

- a) lamivudine
- b) stavudine
- c) didanosine
- d) zalcitabine
- e) indinavir

262. Zidovudine is given for HIV in pregnancy because:

Variants of answer:

- a) decreases chance of vertical transmission
- b) decrease severity of infection in mother
- c) decrease severity of infection in new born
- d) cause no benefit
- e) less side effects

263. Regarding Ritonavir in AIDS patient which of the following is/are true:

Variants of answer:

- a) interacts with terfenadine
- b) G.I. symptoms are seen
- c) contraindicated in renal failure
- d) it is NNRTI
- e) should not be used in AIDS patient with bleeding disorder

264. Complications of Zidovudine:

Variants of answer:

- a) nausea & vomiting
- b) anemia

- c) steatosis
- d) all
- e) dizziness

265. Bone marrow depressive drugs in the treatment of AIDS patient are:

Variants of answer:

- a) didanosine
- b) zalcitabine
- c) dapsone
- d) co-trimoxazole
- e) gancyclovir

266. Nucleoside reverse transcriptase inhibitors are:

Variants of answer:

- a) zalcitabine
- b) delavirdine
- c) nevirapine
- d) stavudine
- e) lamivudine

267. Mechanism of action of zidovudine is:

Variants of answer:

- a) protein synthesis
- b) reverse transcriptase inhibition
- c) nucleic acid synthesis
- d) cell membranes
- e) ribosomes synthesis

268. AZT has following side effects, except:

Variants of answer:

- a) ↓ platelet
- b) megaloblastic anemia
- c) pancreatitis
- d) cardiomyopathy
- e) trombocytopenia

269. Protease inhibitors are:

Variants of answer:

- a) saquinavir
- b) nevirapine
- c) nelfinavir
- d) abacavir
- e) efavirenz

270. Resistance to zidovudine develops due to:

Variants of answer:

- a) mutations at reverse transcriptase
- b) increased efflux of the drug from inside the cell
- c) increased metabolism of the drug
- d) decreased zidovudine 5 triphosphate formation
- e) decreased metabolism of the drug

271. Nevirapine is:

Variants of answer:

- a) protease inhibitor
- b) nucleoside reverse transcriptase inhibitor
- c) non-nucleoside reverse transcriptase inhibitor
- d) fusion inhibitor
- e) adrenergic inhibitor

272. False about protease inhibitors in HIV is:

Variants of answer:

- a) they are powerful enzyme inhibitors
- b) of all the protease inhibitors saquinavir is the most powerful inhibitor of CYP3A4
- c) they cause hepatic toxicity
- d) all protease inhibitors are substrates for P glycoprotein coded by MDR gene
- e) they can cause diabetes mellitus

273. Azidothymidine (Zidovudine), commonest side effect is:

Variants of answer:

- a) hyperuricemia
- b) pancreatitis
- c) peripheral neuropathy
- d) macrocytic anaemia
- e) arrhythmias

274. Aspirin is used in prophylaxis of MI, because:

Variants of answer:

- a) it is an analgesic
- b) of antiplatelet action
- c) of sedative effect
- d) of prostaglandins inhibitory actions
- e) of serotonergic effect

275. Aspirin is used in cerebrovascular accident because it:

Variants of answer:

- a) inhibits TXA₂ synthetase
- b) alters RBC membrane
- c) cyclooxygenase inhibition
- d) prostaglandin production inhibition

e) leukotriene inhibitor

276. Aspirin is used in MI because it:

Variants of answer:

- a) decreases thromboxane synthesis
- b) has analgesic effect
- c) reduces prostaglandin synthesis
- d) reduces cardiac work
- e) leukotriene inhibitor

277. Prostaglandins (PGs) have effects on a variety of tissues. The different prostaglandins may have different effects. Which of the following statement is not correct:

Variants of answer:

- a) the human arteriolar smooth muscle is relaxed by PGE2 and PGI2, whereas TXA2 and PGF2 alpha cause vasoconstriction
- b) PGE1 and PGI2 inhibit platelet aggregation, whereas TXA2 facilitate aggregation
- c) PGE2 has marked oxytocin action while PGF2 alpha has tocolytic action
- d) PGE2 is bronchodilator whereas PGF2 alpha is a bronchoconstrictor
- e) PGE2 has protective effect on mucous membrane of stomach

278. Therapeutic uses of prostaglandin E1 include all of the following, except:

Variants of answer:

- a) medical termination of pregnancy
- b) impotence
- c) primary pulmonary hypertension
- d) maintenance of patent ductus arteriosus (PDA)
- e) all

279. Misoprostol is a:

Variants of answer:

- a) prostaglandin E1 analogue
- b) prostaglandin E2 analogue
- c) prostaglandin antagonist
- d) antiprogesterin
- e) androgen

280. Which of the following is beneficial in NSAID induced gastric ulcer?

Variants of answer:

- a) PGE1 agonist
- b) PGE2 agonist
- c) PGD agonist
- d) PGF2 agonist
- e) PGI2 agonist

281. Which of the following drugs would be removed by dialysis?

Variants of answer:

- a) digoxin
- b) salicylates
- c) benzodiazepines
- d) organophosphates
- e) digitoxin

282. In low doses aspirin acts on:

Variants of answer:

- a) cyclooxygenase
- b) thromboxane A₂
- c) PGI₂
- d) lipoxygenase
- e) leucotriens

283. Low doses of aspirin used in myocardial infarction act by:

Variants of answer:

- a) inhibiting thromboxane synthetase
- b) inhibit cyclooxygenase
- c) releasing EDRF
- d) high protein binding activity
- e) protease inhibitor

284. Aspirin is given in MI because it:

Variants of answer:

- a) ↓ PGI₂;
- b) ↓ TXA₂;
- c) ↓ histamine;
- d) ↓ fibrosis.
- e) decreases cholesterol

285. Drug to be given within 6 hours of MI:

Variants of answer:

- a) aspirin
- b) metoprolol
- c) streptokinase
- d) diltiazem
- e) statin

286. Aspirin toxicity true are:

Variants of answer:

- a) tinnitus early symptom
- b) 10-30 gm causes poisoning
- c) hyperthermia, tachypnea early complications

- d) cause thrombocytopenic purpura
- e) all

287. NSAID's are useful because they inhibit:

Variants of answer:

- a) cyclooxygenase
- b) thromboxane
- c) histamine
- d) 5-HT
- e) phospholipase

288. In Aspirin mechanism of action:

Variants of answer:

- a) lipoxygenase ↓;
- b) cyclooxygenase ↓;
- c) phospholipase ↓;
- d) lipoxygenase ↑;
- e) cyclooxygenase ↑

289. Which prostaglandin is used in NSAID induced ulcer:

Variants of answer:

- a) misoprostol
- b) carboprost
- c) mirtazapine
- d) milrinone
- e) atropin

290. Which of the following is cyclooxygenase inhibitor:

Variants of answer:

- a) aspirin
- b) prednisolone
- c) misoprostol
- d) betamethasone
- e) triamcinolone

291. Which one of the following statements is not true about NSAIDs?

Variants of answer:

- a) acetylsalicylic acid is an irreversible inhibitor of COX enzyme
- b) salicylic acid reduces in vivo synthesis of prostaglandins
- c) duration of action of aspirin is primarily related to the pharmacokinetic clearance of the drug from the body
- d) antiplatelet effect of low-dose aspirin is related to presystemic COX inhibition
- e) bleeding is a side effect of aspirin

292. Which of the following drugs has covalent interaction with its target:

Variants of answer:

- a) aspirin
- b) penicillin
- c) nitric oxide
- d) bosentan
- e) cephalosporin

293. Which NSAID undergoes enterohepatic circulation:

Variants of answer:

- a) phenylbutazone
- b) aspirin
- c) ibuprofen
- d) piroxicam
- e) nimesulid

294. Mechanism of action of Aspirin in MI is:

Variants of answer:

- a) thromboxane A₂ synthesis inhibition
- b) thromboxane A₂ synthesis stimulation
- c) antagonist of adenosine
- d) stimulation of PGF₂ synthesis
- e) antagonist of serotonin

295. Chronic thiazide therapy causes persistent hypercalcemia due to:

Variants of answer:

- a) renal tubular acidosis
- b) fanconi's syndrome
- c) hypervitaminosis D
- d) hyperparathyroidism
- e) all

296. Glucose intolerance seen with drugs:

Variants of answer:

- a) thiazide diuretics
- b) beta-blockers
- c) verapamil
- d) ACE inhibitors
- e) alpha-blockers

297. The diuretic group that does not require access to the tubular lumen to induce diuresis is:

Variants of answer:

- a) carbonic anhydrase inhibitor
- b) Na-Cl symport inhibitor
- c) mineralocorticoid antagonist

- d) Na-K symport inhibitor
- e) loop diuretic

298. Spironolactone is contraindicated with of the following:

Variants of answer:

- a) enalapril
- b) atenolol
- c) verapamil
- d) none of the above
- e) furosemide

299. Which one of the following drug causes increased concentration of Na⁺ & Cl⁻ in urine with normal bicarbonate:

Variants of answer:

- a) ethacrynic acid
- b) furosemide
- c) acetazolamide
- d) bumetanide
- e) thorasemide

300. Furosemide causes all, except:

Variants of answer:

- a) hyperuricemia
- b) ototoxicity
- c) hypercalcemia
- d) hypokalemia
- e) hyperglycemia

301. ADH acts on:

Variants of answer:

- a) proximal convoluted tubule
- b) distal convoluted tubule
- c) loop of Henle
- d) collecting duct
- e) capsule

302. Furosemide and thiazides have similar properties in the following:

Variants of answer:

- a) duration of action
- b) site of action
- c) effect on urate excretion
- d) well absorbed orally
- e) all

303. In chronic renal failure which one is contraindicated:

Variants of answer:

- a) furosemide
- b) ethacrynic acid
- c) triamterene
- d) bumetanide
- e) thorasemide

304. True about triamterene is all, except:

Variants of answer:

- a) saluretic effect is greater than thiazide
- b) triamterene is often combined with thiazide
- c) action is just like amiloride
- d) it is a K⁺ sparing diuretic
- e) it decreases Na⁺

305. Potassium sparing diuretics include all, except:

Variants of answer:

- a) bumetanide
- b) triamterene
- c) amiloride
- d) spironolactone
- e) all

306. Carbonic anhydrase inhibitor is given in all, except:

Variants of answer:

- a) sulfonamide hypersensitivity
- b) glaucoma
- c) mountain sickness
- d) epilepsy
- e) CHF

307. Osmotic diuretics cause following, excepts:

Variants of answer:

- a) inhibit Renin release
- b) ↑ intravascular volume
- c) reduce salt reabsorption in ascending limb
- d) none of the above
- e) all

308. Free water clearance decreased by?

Variants of answer:

- a) vincristine
- b) vinblastine
- c) chlorpropamide
- d) furosemide

e) verapamil

309. Aldosterone antagonists are NOT useful in the treatment of:

Variants of answer:

- a) hypertension
- b) congestive heart failure
- c) gynaecomastia
- d) hirsutism
- e) liver cirrhosis

310. One of the following diuretics does not require its presence in the tubular lumen for its pharmacological effects:

Variants of answer:

- a) thiazide diuretics
- b) loop diuretics
- c) carbonic anhydrase inhibitors
- d) aldosterone antagonists
- e) osmotic diuretics

311. Following is true about furosemide:

Variants of answer:

- a) it is given only by IV route
- b) it causes mild diuresis
- c) it is used in pulmonary edema
- d) acts on PCT
- e) it is used in renal edema

312. Thiazides false is:

Variants of answer:

- a) used in CCF
- b) causes hyperglycemia
- c) increases uric acid concentration in serum
- d) increases calcium excretion in urine
- e) causes hyponatremia

313. Administration of betamethasone during delivery causes all, except:

Variants of answer:

- a) decrease neonatal mortality
- b) decrease incidence of ARDS
- c) decrease incidence of intraventricular haemorrhage
- d) decrease incidence of hyperbilirubinemia
- e) decreases uterus tone

314. All are side effects of steroids given in anti-inflammatory dosages, except:

Variants of answer:

- a) diabetes mellitus
- b) hyperkalemia
- c) osteoporosis
- d) Na⁺ and water retention
- e) hypertension

315. The lymphocytopenia seen a few hours after administration of a large dose of prednisone to a patient with lymphocytic leukemia is due to:

Variants of answer:

- a) massive lymphocytic apoptosis
- b) bone marrow depression
- c) activation of cytotoxic cells
- d) stimulation of natural killer cell activity
- e) activation of T-killers

316. All of the following have receptors which are transcription factors, except:

Variants of answer:

- a) insulin
- b) estrogen
- c) glucocorticoids
- d) vitamin D
- e) androgen

317. Which one of the following is true of adrenal suppression due to steroid therapy?

Variants of answer:

- a) it is not associated with atrophy of the adrenal glands
- b) it does not occur in patients receiving inhaled steroids
- c) it should be expected in anyone receiving > 5mg of prednisolone daily
- d) following cessation, the stress response normalizes after 8 weeks
- e) it must be given at 12 o'clock

318. All of the following are correct about steroids, except:

Variants of answer:

- a) inhibit the release of arachidonic acid from vessel wall through action of phospholipase
- b) bind plasma membrane receptors and following internalization influence nuclear changes
- c) inhibit vascular membrane permeability
- d) increase glucose synthesis, glycogen deposition in liver
- e) increase blood pressure

319. All the following belong to the steroid receptor superfamily, except:

Variants of answer:

- a) vitamin D3 receptor

- b) thyroid receptor
- c) retinoid receptor
- d) epinephrine receptor
- e) parathyroid receptor

320. Adrenal steroids are contraindicated in all, except:

Variants of answer:

- a) severe hypertension
- b) osteoporosis
- c) diabetes mellitus
- d) glomerulonephritis
- e) infectious

321. Which of the following steroids can be administered by inhalation:

Variants of answer:

- a) beclomethasone
- b) betamethasone
- c) prednisolone
- d) hydrocortisone
- e) triamcinolone

322. Estrogen acts on:

Variants of answer:

- a) cellular membrane receptor
- b) cytoplasmic receptors
- c) nuclear receptors
- d) mitochondria
- e) ribosomes

323. Which of the following is present intracellularly in muscle cells:

Variants of answer:

- a) insulin
- b) corticosteroid
- c) epinephrine
- d) glucagon
- e) adrenaline

324. Amongst the following, least glucocorticoid activity is seen with:

Variants of answer:

- a) fludrocortisone
- b) dexamethasone
- c) triamcinolone
- d) betamethasone
- e) beclomethasone

325. Prolonged use of steroids may cause:

Variants of answer:

- a) decrease in bone matrix protein
- b) hypoglycemia
- c) hypotension
- d) early healing of wound
- e) decrease of calcium

326. Intracellular receptor activation is by:

Variants of answer:

- a) thyrotropin
- b) noradrenaline
- c) estradiol
- d) glucagon
- e) adrenaline

327. Reduced inflammation in airway produced by:

Variants of answer:

- a) fluticasone
- b) budesonide
- c) theophylline
- d) salbutamol
- e) ipratropium

328. Glucocorticoids act in inflammation by:

Variants of answer:

- a) ↓ Lipocortin
- b) ↑ IL-2
- c) ↑ Lipocortin
- d) ↑ CRP
- e) ↑ leucotriens

329. Glucocorticoids causes:

Variants of answer:

- a) ↓ osteoid formation
- b) IGF stimulation
- c) ↑ Ca ++ absorption from stomach
- d) calcification of bone
- e) hypotension

330. Drug causing hyperglycemia is:

Variants of answer:

- a) ACE inhibitor
- b) glucocorticoid
- c) alcohol

- d) indomethacin
- e) paracetamol

331. Repolarisation of ventricles is prolonged by which antiarrhythmic drug:

Variants of answer:

- a) amiodarone
- b) quinidine
- c) lidocaine
- d) procainamide
- e) metoprolol

332. All are true regarding antiarrhythmic, except:

Variants of answer:

- a) verapamil belongs to second group drugs
- b) it is drug of choice for PS VT
- c) it is contraindicated in complete heart block
- d) it depresses heart rate
- e) it causes bradycardia

333. A 50 year old man had an attack of myocardial infarction and developed ventricular ectopics and low ejection fraction. Which of the following antiarrhythmic drug to be given:

Variants of answer:

- a) flecainide
- b) mexiletine
- c) beta-blocker
- d) radio-frequency ablation technique
- e) vinblastin

334. The following statement is not true about sotalol:

Variants of answer:

- a) it is a non-selective beta-blocker
- b) it prolongs action potential duration throughout the heart
- c) it is excreted through bile following hepatic metabolism
- d) polymorphic ventricular tachycardia is a common side effect
- e) it causes bronchospasmus

335. Quinidine is a:

Variants of answer:

- a) Na⁺ channel-blocker
- b) K⁺ channel blocker
- c) Ca⁺⁺ channel blocker
- d) Cl⁻ channel blocker
- e) Mg²⁺ channel blocker

336. SLE like syndrome is most commonly associated with administration of:

Variants of answer:

- a) rifampicin
- b) procainamide
- c) digitalis
- d) phenytoin
- e) lidocaine

337. Tocainide has the following properties, except:

Variants of answer:

- a) used in ventricular tachycardia
- b) prolongs APD
- c) used as lidocaine analogue
- d) used orally
- e) decreases heart rate

338. Which of the following is the drug of choice for PSVT:

Variants of answer:

- a) lidocaine
- b) verapamil
- c) flecainide
- d) tocavide
- e) ethacizine

339. The drug of choice in PSVT is:

Variants of answer:

- a) digoxin
- b) propranolol
- c) lidocaine
- d) adenosine
- e) flecainide

340. Drug of choice in PSVT is:

Variants of answer:

- a) verapamil
- b) propranolol
- c) D.C. shock
- d) digoxin
- e) flecainide

341. Which of the following statements regarding adenosine is not true:

Variants of answer:

- a) used in PSVT
- b) administered as rapid IV injection
- c) has short lived side effects

- d) disopyramide increases its therapeutic effect
- e) hypotension is side effect

342. Pharmacological defibrillator is:

Variants of answer:

- a) adenosine
- b) bretylium
- c) lidocaine
- d) amiodarone
- e) metoprolol

343. Drugs producing ANA:

Variants of answer:

- a) phenytoin
- b) penicillin
- c) INH
- d) procainamide
- e) rifampicin

344. True about Quinidine:

Variants of answer:

- a) it increases effective refractory period
- b) used in hypertension
- c) causes paradoxical tachycardia
- d) it decreases absolute refractory period
- e) cinchonism is seen

345. PSVT is best treated by:

Variants of answer:

- a) adenosine
- b) lidocaine
- c) phenytoin
- d) quinidine
- e) amiodaron

346. Drugs causing SLE:

Variants of answer:

- a) INH
- b) hydralazine
- c) procainamide
- d) ranitidine
- e) methyldopa

347. Which antiarrhythmic is not class IC agent:

Variants of answer:

- a) propafenone
- b) tocainide
- c) flecainide
- d) encainide
- e) ethacizin

348. Drug of choice of paroxysmal supraventricular tachycardia is:

Variants of answer:

- a) adenosine
- b) digitalis
- c) procainamide
- d) mexiletine
- e) lidocaine

349. Not an effect of bromocriptine is:

Variants of answer:

- a) dopamine agonist
- b) increases prolactin release
- c) decreases prolactin release
- d) all of the above
- e) adrenalin agonist

350. Bromocriptine is NOT used in:

Variants of answer:

- a) induction of ovulation
- b) galactorrhoea
- c) post pill amenorrhoea
- d) luteal phase defect
- e) decreases estrogen

351. Which one of the following statements is true regarding drugs used in treatment of parkinsonism?

Variants of answer:

- a) amantadine causes ankle edema
- b) levodopa is particularly effective in reducing tremors
- c) amantadine is more effective than levodopa
- d) antimuscarinics are effective in drug induced parkinsonism
- e) MAO-B drugs are effective in drug induced parkinsonism

352. Prolactin secretion will be inhibited by:

Variants of answer:

- a) haloperidol
- b) GABA (Gama aminobutyric acid)
- c) neurophysin
- d) dopamine

e) valproat

353. Prolactin secretion is inhibited by:

Variants of answer:

- a) dopamine antagonist
- b) GABA
- c) neurophysin
- d) bromocriptine
- e) ephedrin

354. Antipsychotic drug-induced Parkinsonism is treated by:

Variants of answer:

- a) anticholinergics
- b) levodopa
- c) selegiline
- d) amantadine
- e) dopamine

355. All the following statements regarding interactions of levodopa are correct, except:

Variants of answer:

- a) in Parkinsonism, phenothiazines reduce its efficacy
- b) it is a prodrug
- c) pyridoxine reduces effect of levodopa in parkinsonism
- d) domperidone blocks levodopa induced emesis and its therapeutic potential
- e) side effect is orthostatic hypotension

356. Selegiline is a selective inhibitor of:

Variants of answer:

- a) MAO-A
- b) MAO-B
- c) dopamine
- d) norepinephrine-uptake
- e) MAO-A and MAO-B

357. A patient of parkinsonism is managed with L-dopa. If Vit. B-complex is administered concurrently:

Variants of answer:

- a) the action of L-dopa in brain will be potentiated
- b) decarboxylation of L-dopa in brain will be decreased
- c) side effects will be ameliorated
- d) decreased efficacy will result
- e) all

358. False statement about selegiline is:

Variants of answer:

- a) it is a MAO-A inhibitor
- b) does not cause cheese reaction
- c) may be used in on-off phenomenon
- d) it is used in parkinsonism
- e) it is a MAO-B inhibitor

359. L-dopa is given along with Carbidopa:

Variants of answer:

- a) to prevent peripheral decarboxylation of L-dopa
- b) to reduce side effects
- c) to increase compliance
- d) to increase half-life
- e) to increase metabolism

360. Amantadine acts by action of:

Variants of answer:

- a) inhibiting replication
- b) inhibits mRNA
- c) inhibits tRNA
- d) inhibits DNA
- e) inhibits DNA,RNA

361. Drugs causing parkinsonism include:

Variants of answer:

- a) bromocriptine
- b) phenothiazine
- c) haloperidol
- d) amantadine
- e) carbidopa

362. Decreased prolactin level seen with:

Variants of answer:

- a) phenothiazine
- b) reserpine
- c) dopamine
- d) verapamil
- e) fluoxetine

363. Treatment of Parkinson's disease:

Variants of answer:

- a) levodopa
- b) mazindol
- c) bromocriptine
- d) acyclovir

e) benserazide

364. True regarding bromocriptine:

Variants of answer:

- a) natural derivative
- b) synthetic derivative
- c) has alfa-blocking action
- d) decrease GI motility
- e) acts on both D1 and D2 receptors

365. Ropinirole is the most useful for the treatment of:

Variants of answer:

- a) Parkinson's disease
- b) Wilson's disease
- c) Hoffman's syndrome
- d) carpal tunnel syndrome
- e) Myasthenia gravis

366. Which drug has wide therapeutic index:

Variants of answer:

- a) digoxin
- b) lithium
- c) phenytoin
- d) penicillin
- e) phenobarbital

367. A 70 year old man was administered penicillin intravenously. Within 5 minutes, he developed generalized urticaria, swelling of lips, hypotension and bronchospasm. The first choice of treatment is to administer:

Variants of answer:

- a) chlorpheniramine inj
- b) epinephrine inj
- c) high dose hydrocortisone tablet
- d) nebulized salbutamol
- e) loratadine tab

368. The drug of choice for thoracic actinomycosis is:

Variants of answer:

- a) amphotericin B
- b) penicillin
- c) co-trimoxazole
- d) itraconazole
- e) cephalixin

369. All of the following are therapeutic uses of penicillin G, except:

Variants of answer:

- a) bacterial meningitis
- b) rickettsial infection
- c) syphilis
- d) anthrax
- e) staphylococcus

370. Cell wall synthesis is inhibited by all of the following, except:

Variants of answer:

- a) amoxicillin
- b) penicillin G
- c) tetracycline
- d) cefotetan
- e) penicillin V

371. All of the following statements regarding penicillin-G are true, except:

Variants of answer:

- a) can be given orally
- b) active against gram positive organisms
- c) probenecid given along with penicillin-G increases its duration of action
- d) acts by inhibition of cell wall synthesis
- e) active against syphilis

372. The drug of choice for treatment of neurosyphilis is:

Variants of answer:

- a) benzathine penicillin G
- b) procaine penicillin G
- c) penicillin V
- d) tetracycline
- e) cephalosporin

373. One of the following is not penicillinase susceptible:

Variants of answer:

- a) amoxicillin
- b) penicillin G
- c) piperacillin
- d) cloxacillin
- e) penicillin V

374. A post-operative patient developed septicemia and was empirically started on combination chemotherapy by a new resident doctor. However, when the patient did not respond even after 10 days of antibiotics treatment, the review of the charts was done. It was found that the resident doctor had started the combination of antibiotics which was mutually antagonistic in action. Which one of the following is the most likely combination that was given?

Variants of answer:

- a) Vancomycin and Amikacin
- b) Cephalexin and Gentamicin
- c) Ampicillin and Chloramphenicol
- d) Ciprofloxacin and Piperacillin
- e) Piperacillin and Azteronam

375. All of the following undergo hepatic metabolism before excretion, except:

Variants of answer:

- a) phenytoin
- b) diazepam
- c) penicillin G
- d) cimetidine
- e) warfarin

376. All the following antibiotics act on the cell wall, except:

Variants of answer:

- a) ampicillin
- b) bacitracin
- c) cycloserine
- d) griseofulvin
- e) vancomycin

377. Drug contraindicated in infectious mononucleosis is:

Variants of answer:

- a) ampicillin
- b) doxycycline
- c) atropine
- d) gentamicin
- e) neostigmin

378. Treatment for penicillinase producing organism:

Variants of answer:

- a) ampicillin
- b) cloxacillin
- c) methicillin
- d) tetracycline
- e) cephaloridine

379. Amoxicillin clavulanic acid combination:

Variants of answer:

- a) ↑ spectrum
- b) ↑ 1/2 life of amoxicillin
- c) ↑ 1/2 life of both
- d) ↑ side effects

e) all

380. When allergic to penicillin, other drugs are contraindicated:

Variants of answer:

- a) monobactams
- b) carbapenems
- c) cephalosporins
- d) macrolides
- e) tetracyclins

381. Drug, NOT metabolised by liver is:

Variants of answer:

- a) penicillin G
- b) phenytoin
- c) erythromycin
- d) cimetidine
- e) warfarin

382. Drug of choice of hypertension in pregnancy is:

Variants of answer:

- a) methyldopa
- b) thiazide
- c) nifedipine
- d) labetalol
- e) propranolol

383. Absolutely contraindicated antihypertensive drug in pregnancy is:

Variants of answer:

- a) enalapril
- b) diazoxide
- c) atenolol
- d) nifedipine
- e) methyldopa

384. Which antithyroid drug can be safely used in pregnancy:

Variants of answer:

- a) propylthiouracil
- b) KI
- c) methimazole
- d) carbimazole
- e) levothyroxin

385. Use of which of the following drug is contraindicated in pregnancy:

Variants of answer:

- a) digoxin

- b) nifedipine
- c) amoxicillin
- d) enalapril
- e) methyldopa

386. Alcohol intake during pregnancy causes all, except:

Variants of answer:

- a) brachycephaly
- b) microcephaly
- c) hyperkinetic movements
- d) congenital anomalies
- e) teratogenic effect

387. The drug of choice for the treatment of thyrotoxicosis during pregnancy is:

Variants of answer:

- a) carbimazole
- b) iodine therapy
- c) propylthiouracil
- d) metimazole
- e) L-thyroxin

388. Drug of choice for epilepsy in pregnancy is:

Variants of answer:

- a) carbamazepine
- b) sodium valproate
- c) phenobarbitone
- d) phenytoin
- e) carbidopa

389. Drug contraindicated in pregnancy:

Variants of answer:

- a) clonidine
- b) enalapril
- c) methyldopa
- d) hydralazine
- e) metoprolol

390. The antihypertensive contraindicated in pregnancy is:

Variants of answer:

- a) enalapril
- b) hydralazine
- c) clonidine
- d) alpha methyldopa
- e) metoprolol

391. Isotretinoin is:

Variants of answer:

- a) vitamin A analogue
- b) used in cystic acne
- c) safe in pregnancy
- d) used in psoriasis
- e) bony hyperostosis is a side effect

392. Drug safely given in pregnancy:

Variants of answer:

- a) antifolate
- b) quinine
- c) chloroquine
- d) primaquine
- e) tetracycline

393. Antihypertensive not contraindicated in pregnancy:

Variants of answer:

- a) spironolactone
- b) labetalol
- c) sodium nitroprusside
- d) ACE inhibitor
- e) methyldopa

394. Carbimazole is associated with all, except:

Variants of answer:

- a) choanal atresia
- b) cleft lip and cleft palate
- c) scalp defect
- d) neck swelling
- e) all

395. Which teratogen causes deafness?

Variants of answer:

- a) isotretinoin
- b) chloroquine
- c) alcohol
- d) warfarin
- e) amoxicillin

396. Drug absolutely contraindicated in pregnancy:

Variants of answer:

- a) nifedipine
- b) enalapril
- c) diazoxide

- d) atenolol
- e) methyldopa

397. Drug, which is contraindicated in pregnancy is:

Variants of answer:

- a) tetracycline
- b) erythromycin
- c) ampicillin
- d) chloroquine
- e) amoxicillin

398. All of the following are hallucinogens, except:

Variants of answer:

- a) LSD
- b) phencyclidine
- c) mescaline
- d) methylphenidate
- e) psilocybin

399. Sufentanyl is a/an:

Variants of answer:

- a) analgesic
- b) antibiotic
- c) anticholinergic
- d) newer antihistaminic
- e) adrenergic

400. Buprenorphine is partial agonist of:

Variants of answer:

- a) mu (μ) receptor;
- b) delta (δ) receptor;
- c) kappa (κ) receptor;
- d) sigma (σ) receptor;
- e) all

401. The mu (μ) opioid receptor is responsible for the following effects all, except:

Variants of answer:

- a) myosis
- b) bradycardia
- c) hypothermia
- d) bronchodilation
- e) euphoria

402. Which of the following actions is ascribed to delta type of opioid receptors?

Variants of answer:

- a) supraspinal analgesis
- b) respiratory depression
- c) euphoria
- d) reduced intestinal motility
- e) myosis

403. Which analgesic is not used in acute myocardial infarction:

Variants of answer:

- a) morphine
- b) pentazocine
- c) pethidine
- d) buprenorphine
- e) all

404. Which of the following is false about pentazocine:

Variants of answer:

- a) decreased vomiting and constipation as compared to morphine
- b) risk of addiction is less than that with morphine
- c) risk of addiction is more than that with morphine
- d) it is agonist-antagonist
- e) uses for premedication

405. Which of the following drugs is pure agonist of opioid receptors:

Variants of answer:

- a) morphine
- b) buprenorphine
- c) pethidine
- d) pentazocine
- e) loperamid

406. Buprenorphine is:

Variants of answer:

- a) opioid agonist-antagonist
- b) partial agonist
- c) pure antagonist
- d) partial antagonist
- e) nothing

407. Tetrahydrocannabinol is the active component of:

Variants of answer:

- a) marijuana
- b) LSD
- c) hashish
- d) heroin
- e) morphine

408. Which is true regarding naltrexone:

Variants of answer:

- a) it is an opioid antagonist
- b) it is an opioid agonist
- c) used in alcohol dependence
- d) used as a respiratory stimulant
- e) used in poisoning of digoxin

409. True about Dezocine:

Variants of answer:

- a) slow acting morphine
- b) low potent morphine
- c) acts via GABA
- d) doesn't increase histamine release
- e) acts via alpha receptors

410. Naloxone is not used during resuscitation of a child whose mother is on:

Variants of answer:

- a) methadone
- b) phencyclidine
- c) amphetamine
- d) cocaine
- e) marijuana

411. Buprenorphine is:

Variants of answer:

- a) pure agonist
- b) pure antagonist
- c) partial agonist
- d) none
- e) partial antagonist

412. Which one of the opioids has maximum plasma protein binding capacity?

Variants of answer:

- a) morphine
- b) sufentanil
- c) fentanyl
- d) pethidine
- e) naloxon

413. The μ receptor of the opioids is responsible for the following clinical actions except:

Variants of answer:

- a) analgesia

- b) respiratory depression
- c) sedation
- d) diuresis
- e) myosis

414. Opioid agonist-antagonist is:

Variants of answer:

- a) pethidine
- b) pentazocine
- c) buprenorphine
- d) methadone

415. Effect of oral contraceptive pills is inhibited by:

Variants of answer:

- a) rifampicin
- b) cimetidine
- c) ethambutol
- d) propranolol
- e) metoprolol

416. CYP 3A4 affected by:

Variants of answer:

- a) fexofenadine
- b) phenytoin
- c) carbamazepine
- e) mannitol

417. Oral contraceptive failure occurs by intake of:

Variants of answer:

- a) rifampicin
- b) penicillin
- c) chloroquine
- d) metronidazole
- e) cephalosporins

418. Which of the following is NOT an example of cytochrome P 450 dehydrogenase inducer:

Variants of answer:

- a) phenobarbitone
- b) rifampicin
- c) phenytoin
- d) ketoconazole
- e) carbamazepin

419. All induce liver microsomal enzymes, except:

Variants of answer:

- a) metyrapone
- b) carbamazepine
- c) glutethimide
- d) phenobarbitone
- e) phenytoin

420. A lady Sati getting rifampicin and warfarin develops pulmonary thromboembolism. Which of the following is most suitable management:

Variants of answer:

- a) substitute warfarin for long term heparin therapy
- b) low molecular weight heparin
- c) replace warfarin for acecoumarin
- d) replace rifampicin for ethambutol
- e) delay rifampicin

421. All of the following enzymes and their reactions are involved in the metabolism of Xenobiotics, except:

Variants of answer:

- a) cytochrome oxidase
- b) cytochrome p 450
- c) methylation
- d) hydroxylation
- e) none

422. In a patient taking oral contraceptive, the chance of pregnancy increases after taking any of the following drugs, except:

Variants of answer:

- a) phenytoin
- b) griseofulvin
- c) ampicillin
- d) cimetidine
- e) phenobarbitone

423. Oral contraceptive failure may be seen with:

Variants of answer:

- a) rifampicin
- b) cimetidine
- c) propranolol
- d) ethambutol
- e) ampicillin

424. Barbiturate is metabolized by:

Variants of answer:

- a) glucuronide conjugation

- b) oxidation, dealkylation
- c) acetylation
- d) all of the above
- e) sulfatation

425. A patient on warfarin was given phenobarbitone, the result would have been:

Variants of answer:

- a) increase the dose of warfarin
- b) decrease the dose of warfarin
- c) increase the dose of phenobarbitone
- d) decrease the dose of phenobarbitone
- e) none

426. CYP-450 inducers are:

Variants of answer:

- a) cimetidine
- b) ketokonazole
- c) phenobarbitone
- d) DDT
- e) theophylline

427. Cyt-P450 is inhibited by:

Variants of answer:

- a) phenobarbitone
- b) cimetidine
- c) phenytoin
- d) CCl₄
- e) rifampicin

428. In hepatic metabolism phase II reactions are:

Variants of answer:

- a) dealkylation
- b) sulfonation
- c) methylation
- d) glucuronidation
- e) deamination

429. Which is Cyt-P450 inhibitor?

Variants of answer:

- a) ketoconazole
- b) rifampicin
- c) phenytoin
- d) INH
- e) ampicillin

430. Chloroquine acts on:

Variants of answer:

- a) merozoites
- b) blood schizont
- c) tissue schizont
- d) gametocytes
- e) trophozoites

431. Halofantrine is used for:

Variants of answer:

- a) falciparum malaria
- b) visceral leishmaniasis
- c) leprosy
- d) amoebiasis
- e) lambliosis

432. All are true regarding chloroquine, except:

Variants of answer:

- a) acts only on exoerythrocytic cycle
- b) acts on DNA and RNA of parasite
- c) causes pigmentation of nail and mucosa
- d) infected RBC has more drug
- e) antimalarial drug

433. Pyronaridine is:

Variants of answer:

- a) antimalarial
- b) anti-HIV
- c) antifungal
- d) antibacterial
- e) antiherpetic

434. Which one of the following is best associated with Lumefantrine?

Variants of answer:

- a) antimycobacterial
- b) antifungal
- c) antimalarial
- d) antiamoebic
- e) antiviral

435. Drug of choice for Malaria during pregnancy is:

Variants of answer:

- a) chloroquine
- b) quinine
- c) primaquine

- d) mephaquine
- e) hydroxichloroquine

436. The antimalarial drugs effective in pre-erythrocytic phase in liver are:

Variants of answer:

- a) proguanil
- b) chloroquine
- c) pyrimethamine
- d) quinine
- e) none

437. Long term use of chloroquine does not lead to:

Variants of answer:

- a) lichenoid eruptions
- b) visual deterioration
- c) T wave changes in ECG
- d) weight gain
- e) depression

438. Mefloquine should not be used with:

Variants of answer:

- a) quinine
- b) verapamil
- c) ampicillin
- d) aspirin
- e) amoxicillin

439. Quinine given to a patient of falciparum malaria caused sweating and palpitation the likely causes:

Variants of answer:

- a) cinchonism
- b) hyperglycemia
- c) hypoglycemia
- d) hypokalemia
- e) hypomagnemia

440. Drug causing hypoglycemia is:

Variants of answer:

- a) diazoxide
- b) theophylline
- c) glucagon
- d) 10% glucose
- e) quinine

441. Long term use of chloroquine causes all, except:

Variants of answer:

- a) lichenification
- b) retinitis pigmentosa
- c) yellow discoloration of skin
- d) corneal deposits

442. Which of the following antimalarial is a slow acting schizonticide:

Variants of answer:

- a) artemether
- b) mefloquine
- c) pyrimethamine
- d) quinine
- e) pyridoxine

443. Mefloquine is contraindicated with:

Variants of answer:

- a) quinine
- b) atenolol
- c) enalapril
- d) verapamil
- e) ampicillin

444. All are inotropic agents, except:

Variants of answer:

- a) isoprenaline
- b) amiodarone
- c) dopamine
- d) amrinone
- e) milrinone

445. Mechanism of action of epinephrine in cardio-pulmonary resuscitation is:

Variants of answer:

- a) increase myocardial demand
- b) increase SA node activity
- c) peripheral vasoconstriction and directing blood flow to heart
- d) ratio of blood flow to epicardium and endocardium decreases
- e) decrease SA node activity

446. Beta-1 selective agonist is:

Variants of answer:

- a) terbutaline
- b) albuterol
- c) dobutamine
- d) isoetharine
- e) salbutamol

447. Which of the following is not a catecholamine:

Variants of answer:

- a) epinephrine
- b) norepinephrine
- c) dopamine
- d) phenylephrine
- e) none

448. Which of the following is NOT an inotropic drug:

Variants of answer:

- a) dopamine
- b) isoprenaline
- c) amrinone
- d) amiodarone
- e) digoxin

449. First drug to be used in anaphylactic shock is:

Variants of answer:

- a) subcutaneous adrenaline
- b) I.V. corticosteroid
- c) theophylline
- d) antihistaminic
- e) beta agonists

450. In treatment of cardiac failure, dobutamine acts by all the following mechanisms, except:

Variants of answer:

- a) alfa receptors agonism
- b) beta adrenergic receptors agonism
- c) dopamine receptor agonism
- d) increasing force of contraction
- e) positive inotropic action

451. Drug of choice for cardiogenic shock:

Variants of answer:

- a) dopamine
- b) propranolol
- c) digitalis
- d) milrinone
- e) amrinone

452. Adrenaline cause vasoconstriction in all of the following vessels, except:

Variants of answer:

- a) gut

- b) cerebral
- c) cutaneous
- d) renal
- e) none

453. Which of the followings is drug of first choice for cardiogenic shock:

Variants of answer:

- a) dopamine
- b) adrenaline
- c) mephentermine
- d) digoxin
- e) salbutamol

454. All are endogenous catecholamines, except:

Variants of answer:

- a) epinephrine
- b) norepinephrine
- c) dopamine
- d) dobutamine
- e) none

455. Regarding milrinone all are true, except:

Variants of answer:

- a) thrombocytopenia is rare
- b) phosphodiesterase 3 inhibitor
- c) antiarrhythmic action
- d) given for long duration
- e) positive inotropic action

456. Which of the following drug acts against Pseudomonas:

Variants of answer:

- a) piperacillin
- b) methicillin
- c) nafcillin
- d) cloxacillin
- e) oxacillin

457. Which drug is NOT effective in pseudomonas infection:

Variants of answer:

- a) cefaclor
- b) ceftazidime
- c) cefotaxime
- d) carbenicillin
- e) piperacillin

458. All act on *Pseudomonas*, except:

Variants of answer:

- a) nafcillin
- b) carbenicillin
- c) azlocillin
- d) ticarcillin
- e) piperacillin

459. All of the following cephalosporins have good activity against *Pseudomonas aeruginosa*, except:

Variants of answer:

- a) cephadroxil
- b) cefepime
- c) cefoperazone
- d) ceftazidime
- e) none

460. Which one of the following drugs is an antipseudomonal penicillin?

Variants of answer:

- a) cephalixin
- b) piperacillin
- c) cloxacillin
- d) dicloxacillin
- e) oxacillin

461. Which of the following is an antipseudomonal penicillin?

Variants of answer:

- a) piperacillin
- b) amoxicillin
- c) oxacilline
- d) nafcillin
- e) ampicillin

462. Which of the following antimicrobials has antipseudomonal action:

Variants of answer:

- a) cefopodoxime proxetil
- b) ceforanide
- c) cefotetan
- d) cefoperazone
- e) cephalixin

463. Which of the followings is not an antipseudomonal agent?

Variants of answer:

- a) vancomycin
- b) ticarcillin

- c) cefazidime
- d) tobramycin
- e) piperacillin

464. All the following drugs are used in Pseudomonas infection, except:

Variants of answer:

- a) pefloxacin
- b) imipenem
- c) aztreonam
- d) vancomycin
- e) piperacillin

465. Following drugs may be used for Pseudomonas infection, except:

Variants of answer:

- a) pefloxacin
- b) azithromycin
- c) imipenem
- d) ceftazidime
- e) piperacillin

466. Drugs effective against pseudomonas are all, except:

Variants of answer:

- a) ceftazidime
- b) cefazoline
- c) piperacillin
- d) cefotaxime
- e) ticarcillin

467. The blood culture from a patient of febrile neutropenia has grown Pseudomonas aeruginosa, it was found to be a producer of extended spectrum beta lactamase enzyme. The best choice of antimicrobial therapy should be:

Variants of answer:

- a) ceftazidime + amikacin
- b) aztreonam + amikacin
- c) ceftazidime + amikacin
- d) imipenem + amikacin
- e) ampicillin + amikacin

468. Selective 5-HT reuptake blocker is:

Variants of answer:

- a) desipramine
- b) amitriptyline
- c) fluoxetine
- d) dothiepin
- e) dopamin

469. The common side effect with Fluoxetine therapy is:

Variants of answer:

- a) seizure
- b) anxiety
- c) hypotension
- d) loose stools
- e) none

470. Mechanism of action Tianeptin in the brain is:

Variants of answer:

- a) selective serotonin reuptake inhibition
- b) selective norepinephrine reuptake inhibition
- c) selective serotonin reuptake enhancer
- d) selective dopamine reuptake inhibition
- e) nonselective serotonin and dopamine reuptake inhibition

471. Which drug has the least anticholinergic side effects:

Variants of answer:

- a) imipramine
- b) doxepin
- c) fluoxetine
- d) clomipramine
- e) levodopa

472. All are used as antidepressants, except:

Variants of answer:

- a) MAOI
- b) fluoxetine
- c) chlorpromazine
- d) imipramine
- e) amitriptilin

473. SSRI are:

Variants of answer:

- a) citalopram
- b) fluoxetine
- c) mirtazapine
- d) imipramine
- e) sertraline

474. Selective serotonin Reuptake Inhibitor (SSRI) are:

Variants of answer:

- a) fluphenazine
- b) fluoxetine

- c) fluvoxamine
- d) sertraline
- e) flupenthixol

475. Tianeptine is:

Variants of answer:

- a) 5 HT uptake enhancer
- b) GABA inhibitor
- c) norepinephrine reuptake inhibitor
- d) MAO inhibitor
- e) epinephrine reuptake inhibitor

476. Drug of choice in OCD is:

Variants of answer:

- a) ruoxetine
- b) imipramine
- c) diazepam
- d) phenazepam
- e) carbamazepine

477. Antidepressant, which is selective 5HT inhibitor is:

Variants of answer:

- a) fluoxetine
- b) imipramine
- c) desipramine
- d) amitriptyline
- e) selegilin

478. Nonsedating antidepressant is:

Variants of answer:

- a) fluoxetine
- b) mianserin
- c) amoxapine
- d) imipramine
- e) amitriptilin

479. All are anxiolytics, except:

Variants of answer:

- a) fluoxetine
- b) buspirone
- c) diazepam
- d) nitrazepam
- e) mebicar

480. Ciprofloxacin acts on:

Variants of answer:

- a) DNA histone proteins
- b) DNA gyrase
- c) cAMP
- d) mRNA polymerase
- e) cGMP

481. Photosensitivity is a side effect of:

Variants of answer:

- a) ofloxacin
- b) ciprofloxacin
- c) norfloxacin
- d) pefloxacin
- e) lomefloxacin

482. Sparfloxacin and terfenadine can cause:

Variants of answer:

- a) ventricular arrhythmia
- b) myopathy
- c) electrolyte imbalance
- d) nephropathy
- e) all

483. Which of the following fluoroquinolones does not require dose adjustment in a patient with creatinine clearance of <50mg/min?

Variants of answer:

- a) ciprofloxacin
- b) trovafloxacin
- c) lomefloxacin
- d) sparfloxacin
- e) norfloxacin

484. All of the statements are true about FLUOROQUINOLONES, except:

Variants of answer:

- a) suspected of having teratogenic potential
- b) arthropathy of limb - in children can occur
- c) increase theophylline toxicity
- d) increase neuromuscular blocking action
- e) can cause photosensitivity

485. The following are true of fluoroquinolones, except:

Variants of answer:

- a) low toxicity to host cells
- b) DNA-gyrase inhibitors
- c) effective against Pseudomonas

- d) rapidly develop resistance
- e) effective against M.tuberculosis

486. Maximum amount of photosensitivity is seen with:

Variants of answer:

- a) ciprofloxacin
- b) ofloxacin
- c) pefloxacin
- d) norfloxacin
- e) none

487. Fluoroquinolones act by inhibiting:

Variants of answer:

- a) DNA dependent RNA synthetase
- b) cell wall synthesis
- c) DNA gyrase
- d) protein synthesis
- e) ribosome synthesis

488. Treatment of choice for salmonella typhi:

Variants of answer:

- a) cephalixin
- b) gentamicin
- c) co-trimoxazole
- d) tetracycline
- e) ciprofloxacin

489. Drug in penicillinase producing Neisseria gonorrhoea is:

Variants of answer:

- a) amoxicillin
- b) ciprofloxacin
- c) cefotaxime
- d) doxycycline
- e) azithromycin

490. DRUG avoided in seizure is:

Variants of answer:

- a) ciprofloxacin
- b) cycloserine
- c) glucocorticoids
- d) ketoconazole
- e) ampicillin

491. Therapeutic level of phenytoin:

Variants of answer:

- a) 0-9 micro g/ml
- b) 10-19 micro g/ml
- c) 20-29 micro g/ ml
- d) 30-39 micro g/ml
- e) 40+

492. On chronic treatment with a drug, patient presents with gingival hyperplasia and facial hirsutism. The drug most likely to cause these side effects is:

Variants of answer:

- a) phenytoin
- b) carbamazepine
- c) valproic acid
- d) phenobarbitone
- e) ampicillin

493. Adverse effect of phenytoin include the following, except:

Variants of answer:

- a) lymphadenopathy
- b) ataxia
- c) hypercalcemia
- d) hirsutism
- e) headache

494. A 30 year old female epileptic on phenytoin, developed weakness and fatigue. Blood examination revealed Hb = 4.6 gm. MCV = 102 fl and MCH = 40 pg/dl.

What is the most probable diagnosis:

Variants of answer:

- a) heart failure
- b) iron deficiency anaemia
- c) phenytoin induced agranulocytosis
- d) megaloblastic anaemia
- e) leukemia

495. Granulocytopenia, gingival hyperplasia and facial hirsutism are all possible side effects of one of the following anticonvulsant drugs:

Variants of answer:

- a) phenytoin
- b) valproate
- c) carbamazepine
- d) phenobarbitone
- e) lamotrigin

496. Diplopia, ataxia, gingival hyperplasia and hirsutism are side effect of:

Variants of answer:

- a) phenobarbitone

- b) phenytoin
- c) carbamazepine
- d) valproic acid
- e) lamotrigin

497. Side effects of phenytoin are:

Variants of answer:

- a) gum hypertrophy
- b) alopecia
- c) subungual exostosis
- d) onycholysis
- e) acne rosacea

498. Therapeutic level of phenytoin:

Variants of answer:

- a) 0-9 mg/ml
- b) 10-19 mg/ml
- c) 20-29 mg/ml
- d) 30-39 mg/ml
- e) 40-49 mg/ml

499. Gum hyperplasia, hirsutism, granulocytopenia caused by:

Variants of answer:

- a) phenytoin
- b) carbamazepine
- c) phenobarbitone
- d) lamotrigine
- e) valproic acid

500. Regarding phenytoin all are true, except:

Variants of answer:

- a) potent microsomal enzyme inducer
- b) highly protein bound
- c) at lower concentration it follows zero order kinetics
- d) with increasing dose, the T 1/2 increases
- e) metabolized in the liver

501. One of the following drugs is NOT effective against anaerobes:

Variants of answer:

- a) penicillin
- b) chloramphenicol
- c) gentamicin
- d) clindamycin
- e) lincomycin

502. Which of the following drugs is not given in enteric fever:

Variants of answer:

- a) amikacin
- b) co-trimoxazole
- c) ciprofloxacin
- d) ceftriaxone
- e) ampicillin

503. All of the following factors are the risk of aminoglycoside renal toxicity, except:

Variants of answer:

- a) elderly person
- b) hypokalemia
- c) simultaneous use with penicillin
- d) aminoglycoside administration in recent past
- e) none

504. Ototoxicity of aminoglycoside is increased with concurrent use of which of the following drug:

Variants of answer:

- a) cisplatin
- b) furosemide
- c) vancomycin
- d) vincristine
- e) erythromycin

505. Drugs associated with deafness, true are:

Variants of answer:

- a) streptomycin is mostly vestibulotoxic
- b) salicylates cause reversible deafness
- c) furosemide causes irreversible deafness
- d) cisplatin causes reversible deafness
- e) vancomycin causes irreversible deafness

506. Creatinine clearance < 10 ml/min. Which of the following drug dose reduction is needed:

Variants of answer:

- a) amikacin
- b) ketoconazole
- c) lithium
- d) budesonide
- e) theophylline

507. Which of the following drugs combination shows antimicrobial synergism:

Variants of answer:

- a) penicillin + streptomycin in SABE
- b) ampicillin + tetracycline in endocarditis
- c) sulphamethoxazole + trimethoprim in UTI
- d) oxacillin+ampicillin in UTI
- e) vancomycin+ampicillin in C.difficile

508. Mechanism of resistance to aminoglycosides:

Variants of answer:

- a) produces enzymes
- b) inactivation of RNA dependent DNA polymerase
- c) inactivation of RNA
- d) prevents chain elongation
- e) decreases ribosomes

509. Drugs causing nephrotoxicity:

Variants of answer:

- a) gentamycin
- b) cloxacillin
- c) phenacetin
- d) erithromycine
- e) ampicillin

510. True about aminoglycosides is all, except:

Variants of answer:

- a) are bacteriostatic
- b) distributed only extracellularly
- c) excreted unchanged in urine
- d) teratogenic
- e) embriotoxic

511. Most potent antiemetic used in premedication is:

Variants of answer:

- a) atropine
- b) hyoscine
- c) glycopyrrolate
- d) chlorpromazine
- e) dopamine

512. Which one of the following drugs has been shown to offer protection from gastric aspiration syndrome in a patient with symptoms of flux?

Variants of answer:

- a) ondansetron
- b) metoclopramide
- c) sodium citrate

- d) atropine
- e) scopolamine

513. All the following are used in motion sickness, except:

Variants of answer:

- a) cyclizine
- b) hyoscine
- c) domperidone
- d) meclizine
- e) scopolamine

514. All of the following drugs may be used for motion sickness, except:

Variants of answer:

- a) hyoscine
- b) dicyclomine
- c) domperidone
- d) scopolamine
- e) pipolphen

515. Ondansetron acts by inhibiting receptors:

Variants of answer:

- a) 5 HT1
- b) 5 HT2
- c) 5 HT3
- d) NE
- e) 5HT4

516. Ondansetron:

Variants of answer:

- a) 5HT3 – antagonist
- b) 5HT3 – agonist
- c) 5HT1 antagonist
- d) dopamine agonist
- e) adrenalin antagonist

517. Ondansetron acts by:

Variants of answer:

- a) acting on CTZ
- b) 5-HT1 antagonist
- c) D1 and D2 receptors
- d) increases GIT motility
- e) 5-HT2 agonist

518. Antiemetic action is through:

Variants of answer:

- a) chemoreceptor trigger zone (CTZ)
- b) H1 agonist
- c) D1 antagonist
- d) olfactory apparatus
- e) 5 HT4 agonist

519. All are antiemetics, except:

Variants of answer:

- a) domperidone
- b) ondansetron
- c) phenazocine
- d) cyclizine
- e) metoclopramide

520. Which of the following 5HT3 receptor blockers has highest receptor affinity:

Variants of answer:

- a) ondansetron
- b) granisetron
- c) dolasetron
- d) palonosetron
- e) none

521. Heparin effect is increased by:

Variants of answer:

- a) narcotic analgesics
- b) nonsteroidal antiinflammatory drugs
- c) oral contraceptives
- d) inhalational agents
- e) antibiotics

522. All of the following statements about Heparin are true, except:

Variants of answer:

- a) causes alopecia
- b) non teratogenic
- c) releases lipoprotein lipase
- d) causes hypokalemia
- e) combines with antithrombin III

523. All of the following drugs can cross placenta, except:

Variants of answer:

- a) phenytoin
- b) diazepam
- c) morphine
- d) heparin

e) tetracycline

524. Which drug does not cross the placental barrier:

Variants of answer:

- a) heparin
- b) warfarin
- c) lithium
- d) morphine
- e) neodicumarol

525. Haemorrhage secondary to heparine administration can be corrected by administration of:

Variants of answer:

- a) vitamin K
- b) whole blood
- c) heparin
- d) ascorbic acid
- e) warfarin

526. Low molecular weight haparin therapy is associated with all, except:

Variants of answer:

- a) less chances of bleeding
- b) single dose per day
- c) easy filterability by glomerular capillaries
- d) high biological interaction to plasma proteins
- e) less chances of trombocytopenia

527. Drugs given by I.V. route:

Variants of answer:

- a) heparin
- b) pantoprazole
- c) ranitidine
- d) sumatriptan
- e) neomycin

528. Not true about heparin is:

Variants of answer:

- a) activates antithrombin III
- b) small unionized molecule are not absorbed orally
- c) protamine sulphate always used to reverse its action
- d) release lipoprotein lipase from vessel wall and tissues
- e) protamine sulfate is antidot

529. Heparin is the commonly used anticoagulant in cardiac surgery. All of the following are true about heparin, except:

Variants of answer:

- a) weakest acid found in living things
- b) most commercial preparations of heparin now utilize pig intestinal slimes
- c) act via antithrombin activation
- d) produce thrombocytopenia
- e) produce bleeding

530. *Thromboxane A2 synthetase inhibition is by:*

Variants of answer:

- a) aspirin
- b) prednisolone
- c) dazoxiben
- d) naproxen
- e) montelukast

531. *All the following are true of cholestyramine, except:*

Variants of answer:

- a) are basic ion exchange resins
- b) cause compensatory increase in HMG CoA reductase activity
- c) may cause constipation, steatorrhea
- d) patient acceptability is good
- e) none

532. *What is TRUE about Lovastatin:*

Variants of answer:

- a) inhibits HMG CoA synthetase
- b) inhibits HMG CoA reductase
- c) myositis may result from its prolonged use
- d) decrease synthesis of cholesterol and causes lenticular opacity
- e) increases HMG CoA synthetase

533. *Lovastatin causes:*

Variants of answer:

- a) increased LDL receptor
- b) decreased HDL cholesterol
- c) decreased LDL cholesterol
- d) increased SGOT/SGPT ratio
- e) decreased SGOT/SGPT ratio

534. *All are true about HMG CoA reductase inhibitors, except:*

Variants of answer:

- a) the CNS accumulation of simvastatin and lovastatin is high and less for pravastatin and fluvastatin
- b) simvastatin is rapidly metabolised and pravastatin is least
- c) bioavailability is minimally modified when pravastatin is taken with food

- d) fibrinogen levels are increased by pravastatin
- e) none

535. Lipid lowering agents statins acts in all the following ways, except:

Variants of answer:

- a) decreased hepatic cholesterol synthesis
- b) decreased LDL receptors
- c) inhibiting HMG CoA reductase
- d) decreasing VLDL
- e) increased hepatic cholesterol synthesis

536. Which of the following drug acts as a HMG-CoA reductase inhibitor:

Variants of answer:

- a) gemfibrozil
- b) clofibrate
- c) lovastatin
- d) probucol
- e) nicotinic acid

537. Antilipidemic drugs that prevent hypercholesterolemia by inhibiting absorption:

Variants of answer:

- a) ezetimibe
- b) orlistat
- c) cholestyramine
- d) statins
- e) clopamide

538. Which drug inhibits initial step of cholesterol synthesis:

Variants of answer:

- a) lovastatin
- b) gemfibrozil
- c) probucol
- d) cholestyramine
- e) nicotinic acid

539. Fibrates - false is:

Variants of answer:

- a) they increase lipoprotein lipase activity through PPAR alpha, and cause increased lipolysis of triglycerides
- b) they are better absorbed when taken on empty stomach, than when taken with food
- c) cause urticaria, rashes, alopecia, myopathy and G.I. distress
- d) are first line of drugs in severe dysbetalipoproteinemias and hypertriglyceridemias
- e) fenofibrate

540. HMGCoA reductase is inhibited by:

Variants of answer:

- a) lovastatin
- b) gemfibrozil
- c) clofibrate
- d) nicotinic acid
- e) clopamide

541. Methotrexate is used in high doses in:

Variants of answer:

- a) osteosarcoma
- b) retinoblastoma
- c) rhabdomyosarcoma
- d) ewing's sarcoma
- e) HIV

542. Leucovorin is given with:

Variants of answer:

- a) methotrexate
- b) cytosine arabinoside
- c) 6-MP
- d) thiotepa
- e) vinblastin

543. All of the following statements about Methotrexate are true, except:

Variants of answer:

- a) folic acid enhances the action of methotrexate
- b) methotrexate inhibit dehydrofolate reductase
- c) non proliferative cells are resistant to methotrexate
- d) methotrexate is used in treatment of psoriasis
- e) side effect is anemia, leukopenia

544. Antifolate immunosuppressant is:

Variants of answer:

- a) 5 FU
- b) methotrexate
- c) cyclophosphamide
- d) cisplatin
- e) vinblastine

545. Methotrexate acts by:

Variants of answer:

- a) inhibition of dihydrofolate reductase
- b) aldose dehydrogenase
- c) glutathione reductase

- d) inhibition of sterol synthesis
- e) glutathione stimulation

546. Dose adjustment is needed if bilirubin is >1.5mg/dl in:

Variants of answer:

- a) methotrexate
- b) ansacrine
- c) rifampicin
- d) tolcapone
- e) vinblastin

547. Methotrexate is most useful in:

Variants of answer:

- a) abruptio placenta
- b) ectopic pregnancy
- c) placenta accrete
- d) trophoblastic disease
- e) sarcoma Caposhi

548. Methotrexate causes:

Variants of answer:

- a) inhibition of dihydrofolate reductase
- b) inhibition of folate synthetase
- c) not absorbed orally
- d) folic acid antagonizes its toxicity
- e) inhibition of pyridoxal phosphate

549. Which is an antimetabolite:

Variants of answer:

- a) cyclosporine
- b) methotrexate
- c) etoposide
- d) vinblastine
- e) vinkristin

550. The new agent pemetrexed, useful in breast cancer, belongs to which of the following category of drugs:

Variants of answer:

- a) antitumor antibiotic
- b) alkylating agent
- c) hormonal agent
- d) antimetabolite
- e) antihormonal agent

551. Dosage adjustment is NOT needed in renal failure in:

Variants of answer:

- a) INH
- b) ethambutol
- c) rifampicin
- d) streptomycin
- e) warfarin

552. Dose of which drug is NOT altered in decrease CRF:

Variants of answer:

- a) rifampicin
- b) gentamicin
- c) tetracycline
- d) cephalosporins
- e) amikacin

553. All are nephrotoxic, except:

Variants of answer:

- a) lithium
- b) gentamicin
- c) chlorpromazine
- d) cephalosporins
- e) amikacin

554. Which of the following antitubercular drugs do not need to be adjusted in presence of renal failure?

Variants of answer:

- a) rifampicin
- b) INH
- c) ethambutol
- d) pyrazinamide
- e) none

555. Which of the following antibiotics is least Nephrotoxic:

Variants of answer:

- a) streptomycin
- b) gentamycin
- c) polymixin B
- d) doxycycline
- e) kanamycin

556. All the following drugs cause renal failure, except:

Variants of answer:

- a) cephaloridine
- b) amphoterecin B
- c) cefoperazone

- d) gentamicin
- e) polymixin B

557. Drugs not given in Renal failure:

Variants of answer:

- a) amphotericin B
- b) NSAIDs
- c) mikacin
- d) ethambutol
- e) amoxicillin

558. Which of these antibiotics are safe in renal failure:

Variants of answer:

- a) cephalexin
- b) tetracycline
- c) nitrofurantoin
- d) gentamicin
- e) doxycycline

559. Which of the following drugs dosage interval should be maximum in a patient with creatinine clearance less than 10:

Variants of answer:

- a) amikacin
- b) rifampicin
- c) vancomycin
- d) amphotericin B
- e) amoxicillin

560. Dose of all is reduced in renal failure, except:

Variants of answer:

- a) INH
- b) rifabutin
- c) ethambutol
- d) kanamycin
- e) polymixin B

561. Prothombin Time (PT) of a patient is 26, Control PT is 13 seconds and Sensitivity index is 1.41. What will be the INR of this patient:

Variants of answer:

- a) 26/13
- b) $(26/13) \times 14.1$
- c) $(26/13) \times 1.41$
- d) $(26/13) / 1.41$
- e) $(26/13) + 1.41$

562. Drugs which cause malformation in the fetus include:

Variants of answer:

- a) heparin
- b) warfarin
- c) valproic acid
- d) steroids
- e) phenytoin

563. In a warfarin treated patient skin necrosis found in:

Variants of answer:

- a) protein C deficiency
- b) protein S deficiency
- c) AT III deficiency
- d) protein G deficiency
- e) K deficiency

564. True about vitamin K:

Variants of answer:

- a) needed for synthesis of factor II, VII, IX & X
- b) doesn't require exposure to sunlight
- c) cause hemolytic anemia
- d) $t_{1/2}$ is < 6 hour
- e) is a fat soluble vitamin

565. Warfarin induced skin necrosis is seen in:

Variants of answer:

- a) protein C deficiency
- b) protein S deficiency
- c) hemophilia
- d) antithrombin III deficiency
- e) none

566. Anticoagulant effect of warfarin is increased by all of the following, except:

Variants of answer:

- a) cimetidine
- b) phytonadione
- c) amiodarone
- d) phenylbutazone
- e) none

567. A patient of thrombosis of hepatic veins has been receiving coumarin therapy for a duration of three years. Recently, she has developed bleeding tendency. How will you reverse the effect of coumarin?

Variants of answer:

- a) protamine injection

- b) vit K injection
- c) infusion of fibrinogen
- d) whole blood transfusion
- e) infusion of fibrinolytics

568. Urgent reversal of Warfarin therapy can be done by administration of:

Variants of answer:

- a) cryoprecipitates
- b) platelet concentrates
- c) fresh frozen plasma
- d) packed red blood cells
- e) none

569. All the following drugs are used for thromboprophylaxis, except:

Variants of answer:

- a) heparin
- b) warfarin
- c) aspirin
- d) antithrombin
- e) enoxaparin

570. Oral anticoagulants are stopped prior to surgery for at least:

Variants of answer:

- a) 1-3 days
- b) 3-5 days
- c) 8-10 days
- d) 6-8 days
- e) 1 hour

571. Ethosuximide is used in the treatment of:

Variants of answer:

- a) tonic-clonic seizure
- b) absence seizure
- c) myoclonic seizure
- d) simple partial seizure
- e) premedication

572. A patient with recent-onset primary generalized epilepsy develops drug reaction and skin rash due to phenytoin sodium. The most appropriate course of action is:

Variants of answer:

- a) shift to clonazepam
- b) restart phenytoin sodium after 2 weeks
- c) shift to sodium valproate
- d) shift to ethosuximide

e) shift to valproic acid

573. What is the treatment of choice for myoclonic epilepsy in children:

Variants of answer:

- a) phenytoin
- b) phenobarbitone
- c) sodium valproate
- d) ethosuximide
- e) valproic acid

574. Which of the following antiepileptic drugs acts by the release of the inhibiting transmitter GABA:

Variants of answer:

- a) valproic acid
- b) diazepam
- c) ethambutol
- d) phenytoin
- e) carbamazepin

575. Drugs used in GTCS:

Variants of answer:

- a) ethosuccimide
- b) Na-valproate
- c) lamotrigine
- d) propofol
- e) kordiamin

576. Which of the following antiepileptic agents acts on the GABAergic system to decrease the uptake of GABA into neurons and glial cells:

Variants of answer:

- a) vigabatrin
- b) progabide
- c) gabapentin
- d) tiagabine
- e) valproic acid

577. Prolonged use of one of the following anticonvulsant can produce weight loss:

Variants of answer:

- a) gabapentin
- b) oxcarbazepine
- c) topiramate
- d) valproic acid
- e) none

578. All of the following antiepileptic agents act via Na⁺ channel, except:

Variants of answer:

- a) vigabatrin
- b) phenytoin
- c) valproate
- d) lamotrigine
- e) clonazepam

579. Vigabatrin a new antiepileptic agent acts by:

Variants of answer:

- a) GABA-antagonism
- b) GABA-agonism
- c) NMDA-antagonism
- d) carbonic anhydrase inhibition
- e) aldosterone inhibitor

580. H1 blocker with least sedative effect is:

Variants of answer:

- a) chlorpheniramine
- b) promethazine
- c) terfenadine
- d) diphenhydramine
- e) all

581. The H-1 receptor agonist causes:

Variants of answer:

- a) inhibition of H-1 receptor induced wakefulness
- b) increase in H-1 mediated gastrin secretion
- c) inhibition of H-1 mediated bronchoconstriction
- d) negative chronotropic effect on atria
- e) negative dromotropic effect on atria

582. A highway truck driver has profuse rhinorrhea and sneezing. Which amongst the following drugs would you prescribe him?

Variants of answer:

- a) pheniramine
- b) promethazine
- c) dimenhydrinate
- d) cetirizine
- e) cordiamin

583. CNS effects of H1 receptor blockers:

Variants of answer:

- a) dizziness
- b) delirium
- c) insomnia

- d) hallucination
- e) headache

584. Recent antihistaminics In allergic rhinitis are:

Variants of answer:

- a) azelastine
- b) fexofenadine
- c) chlorpheniramine maleate
- d) desloratidine
- e) imipramine

585. Which of the following drugs are secreted in breast milk:

Variants of answer:

- a) antihistaminics
- b) antithyroid drugs
- c) penicillin
- d) diazepam
- e) antiepileptics

586. Which is not a 2nd generation antihistaminic?

Variants of answer:

- a) loratidine
- b) acrivastatine
- c) cyclizine
- d) azelastatin
- e) cetirizine

587. Which is not a second generation antihistamine:

Variants of answer:

- a) cyclizine
- b) fexofenadine
- c) loratidine
- d) atorvalastine
- e) azelastatin

588. Which of the following drugs is not given for sedation, but has sedation as side effect:

Variants of answer:

- a) antihistamine and antidepressant
- b) phenytoin
- c) cyclosporine and macrolides
- d) amphotericin B
- e) gryseofulvin

589. Zolpidem:

Variants of answer:

- a) act on benzodiazepine receptor 1 and 2
- b) action not reversed by flumazenil
- c) sedation is less than diazepam
- d) only sedation and hypnosis
- e) duration of action less than diazepam

590. Inverse agonist of benzodiazepine receptor is:

Variants of answer:

- a) phenobarbitone
- b) flumazenil
- c) beta-carboline
- d) gabapentin
- e) valproic acid

591. True about benzodiazepines:

Variants of answer:

- a) GABA agonist
- b) antagonizing release of GABA
- c) lorazepam is shorter acting than temazepam
- d) atropine is its antagonist
- e) diazepam is long-acting drug

592. Which is true regarding benzodiazepines:

Variants of answer:

- a) GABA antagonist
- b) diazepam is a short acting benzodiazepine
- c) diazepam causes lesser respiratory depression
- d) nitrazepam is metabolized in liver
- e) diazepam has higher abuse potential than midazolam

593. Mechanism of action of GABA is on:

Variants of answer:

- a) G protein
- b) tyrosine kinase
- c) PIP/DAG
- d) 5-HT
- e) muscarinic receptors

594. Antagonist to diazepam:

Variants of answer:

- a) phenargan
- b) flumazenil
- c) domperidone
- d) bromocriptine

e) protamine

595. Drug used in uncomplicated alcohol withdrawal?

Variants of answer:

- a) diazepam
- b) clonidine
- c) propranolol
- d) methadone
- e) metoprolol

596. All act through GABA receptors, except:

Variants of answer:

- a) benzodiazepine
- b) barbiturates
- c) zopiclone
- d) promethazine
- e) diazepam

597. The following is true regarding benzodiazepines:

Variants of answer:

- a) it alters sleep pattern more than sedatives
- b) all have pharmaco-logically active metabolites
- c) induces liver enzymes
- d) if taken in higher doses it is less toxic than other sedatives
- e) they are used for improving of memory

598. The following are the benzodiazepines of choice in elderly and those with liver disease, except:

Variants of answer:

- a) lorazepam
- b) oxazepam
- c) temazepam
- d) diazepam
- e) clonazepam

599. The following statements regarding benzodiazepines are true, except:

Variants of answer:

- a) binds to both GABA_A and GABA_B receptors
- b) they have active metabolites
- c) decreases nocturnal gastric secretion in human being
- d) extensively metabolized by CYP enzymes
- e) used like hypnotic drugs

600. Concomitant administration of clonazepam with which of the following antiepileptic drug can precipitate absence status?

Variants of answer:

- a) sodium valproate
- b) phenobarbitone
- c) carbamazepine
- d) phenytoin
- e) zopiclon

601. Which of the following is NOT a Calcium channel blocker:

Variants of answer:

- a) verapamil
- b) pirenzepine
- c) felodipine
- d) nitrendipine
- e) isradipine

602. Nifedipine and beta-Blocker are given together:

Variants of answer:

- a) to decrease pedal edema due to nifedipine
- b) to overcome increased sympathetic activity of nifedipine
- c) anti CHF action of propranolol
- d) antiarrhythmic effect of nifedipine
- e) to increase blood pressure

603. Verapamil is used in all, except:

Variants of answer:

- a) angina pectoris
- b) atrial fibrillation
- c) ventricular tachycardia
- d) none of the above
- e) all

604. All are true about calcium channel blockers, except:

Variants of answer:

- a) diltiazem does not cause tachycardia
- b) hyperkalemia may occur with Nifedipine
- c) verapamil is good antiarrhythmic
- d) nifedipine may be given in congestive heart failure
- e) nifedipine may be given in hypertensive crisis

605. Verapamil is contraindicated in all, except:

Variants of answer:

- a) PSVT with AV Block
- b) variant angina
- c) beta adrenergic toxicity
- d) digitalis toxicity

e) bradycardia

606. Racemic mixture of two enantiomers with different pharmacokinetic and pharmacodynamic properties is seen in:

Variants of answer:

- a) dilantin
- b) digoxin
- c) verapamil
- d) octreotide
- e) none

607. Which one of the following drugs causes constipation?

Variants of answer:

- a) propranolol
- b) verapamil
- c) nitroglycerin
- d) captopril
- e) neostigmin

608. All of the following are calcium channel blockers, except:

Variants of answer:

- a) nimodipine
- b) verapamil
- c) flunarizine
- d) pirenzepine
- e) isradipin

609. Drugs causing constipation are:

Variants of answer:

- a) verapamil
- b) quinidine
- c) MAO-Inhibitor
- d) tricyclic antidepressants
- e) ferrous sulphate

610. Treatment of whooping cough is:

Variants of answer:

- a) rifampicin
- b) tetracycline
- c) erythromycin
- d) ampicillin
- e) polymixin B

611. A patient on terfenadine therapy takes some antibiotics and develops arrhythmia. The likely antibiotic is:

Variants of answer:

- a) erythromycin
- b) penicillin
- c) tetracycline
- d) metronidazole
- e) cephalosporin

612. A patient on cisapride for Barrett's ulcer suffers from pneumonia. The physician prescribes erythromycin. Which of the following is the correct statement:

Variants of answer:

- a) increase dose of cisapride needed
- b) increase dose of erythromycin needed
- c) increased risk of ventricular arrhythmias
- d) decreased bioavailability of cisapride
- e) none

613. A patient with sinusitis, on terfenadine for a long time, develops cough and URTI. His physician prescribes him erythromycin. The expected side effect is:

Variants of answer:

- a) cardiac arrhythmia
- b) allergic reaction
- c) low terfenadine level
- d) rashes all over body
- e) bleeding

614. Drug of choice for prophylaxis in diphtheria is:

Variants of answer:

- a) erythromycin
- b) doxycycline
- c) tetracycline
- d) clindamycin
- e) polymyxin B

615. The group of antibiotics which possess additional anti-inflammatory and immunomodulatory activities is:

Variants of answer:

- a) tetracyclines
- b) polypeptide antibiotics
- c) fluoroquinolones
- d) macrolides
- e) aminoglycosides

616. Mechanism of action of erythromycin is interference with:

Variants of answer:

- a) transcription

- b) translation
- c) translocation
- d) transduction
- e) transmission

617. Which of the following drugs acts on “motilin” receptors:

Variants of answer:

- a) erythromycin
- b) tetracycline
- c) norfloxacin
- d) chloramphenicol
- e) polymixin B

618. Combination of terfenadine and erythromycin causes:

Variants of answer:

- a) torsade de pointes
- b) increase metabolism of terfenadine
- c) increases toxicity of terfenadine
- d) synergistic effect of terfenadine
- e) have no interference

619. Fastest acting drug in leprosy is:

Variants of answer:

- a) rifampicin
- b) dapsone
- c) clofazimine
- d) ethionamide
- e) ampicillin

620. Drug causing ichthyosis and hyperpigmentation, when used in leprosy is:

Variants of answer:

- a) rifampicin
- b) dapsone
- c) clofazimine
- d) ethionamide
- e) ampicillin

621. Dapsone is used in the treatment of all, except:

Variants of answer:

- a) rhinosporidiosis
- b) actinomycetoma
- c) dermatitis herpetiformis
- d) leprosy
- e) candidosis

622. In leprosy, the best bacteriocidal agent is:

Variants of answer:

- a) clofazimine
- b) dapsone
- c) rifampicin
- d) ethionamide
- e) ampicillin

623. Side effects of Clofazimine are all, except:

Variants of answer:

- a) skin pigmentation
- b) GI disturbance
- c) ichthyosis
- d) anemia
- e) photosensibilization

624. The most effective drug against *M. leprae* is:

Variants of answer:

- a) dapsone
- b) rifampicin
- c) clofazimine
- d) prothionamide
- e) erythromycin

625. Most common complication of dapsone is:

Variants of answer:

- a) hemolysis
- b) hepatitis
- c) renal failure
- d) eczema
- e) headache

626. Skin pigmentation occurs with which of the following drugs:

Variants of answer:

- a) clofazimine
- b) minocycline
- c) sulfonamides
- d) gold
- e) rifampicin

627. Thalidomide can be used in:

Variants of answer:

- a) myocardial infarction
- b) erythema nodosum leprosum
- c) wernicke's encephalopathy

- d) epilepsy
- e) vomiting

628. Which non depolarizing agent is a ganglion blocker:

Variants of answer:

- a) atracurium
- b) pancuronium
- c) *d*-tubocurarine
- d) gallamine
- e) pipecuronium

629. Vecuronium acts on:

Variants of answer:

- a) cerebral cortex
- b) myoneural junction
- c) muscle fibres
- d) spinal cord
- e) pancreas

630. Suxamethonium causes:

Variants of answer:

- a) jaundice
- b) splenomegaly
- c) atrial fibrillation
- d) muscle fasciculation
- e) dizziness

631. Fasciculations are caused by:

Variants of answer:

- a) vecuronium
- b) suxamethonium
- c) atracurium
- d) pancuronium
- e) pipecuronium

632. Which of the following drugs is used to reverse the effect of *d*-tubocurarin:

Variants of answer:

- a) atropine
- b) neostigmine
- c) physostigmine
- d) organophosphorus
- e) platyphillin

633. Shortest acting neuromuscular blocking agent is:

Variants of answer:

- a) pancuronium
- b) atracurium
- c) mivacurium
- d) vecuronium
- e) d-tubocurarin

634. True about Pseudocholinesterase:

Variants of answer:

- a) present in neuromuscular junction
- b) level is increased in pregnancy
- c) succinylcholine is metabolized
- d) organophosphorus inhibit it
- e) destroy adrenalin

635. The action of non-competitive muscle blockers is affected by:

Variants of answer:

- a) hypocalcemia
- b) hyponatremia
- c) hyperthermia
- d) all of the above
- e) none

636. Central muscle relaxants act by:

Variants of answer:

- a) decreased nerve conduction
- b) inhibits spinal polysynaptic reflexes
- c) block conduction across NM junction
- d) CNS depression
- e) decreased muscle excitation

637. A patient of peptic ulcer was prescribed ranitidine and sucralfate in the morning hours. Why is this combination incorrect:

Variants of answer:

- a) ranitidine combines with sucralfate and prevents its action
- b) combination of these two drugs produces serious side effects like agranulocytosis
- c) ranitidine decreases the gastric pH so sucralfate is not able to act
- d) sucralfate inhibits absorption of ranitidine
- e) ranitidine metabolized rapidly due to sucralfate

638. A patient is taking 40 mg Famotidine OD, Sucralfate and Antacid tablets TDS, This treatment is irrational because of:

Variants of answer:

- a) sucralfate decreases the absorption of famotidine
- b) sucralfate increases the toxicity of famotidine
- c) sucralfate decreases absorption of antacids

- d) surfactant polymerises only when gastric pH is less than 4
- e) surfactant increases absorption of antacids

639. Proton pump inhibitors are most effective when they are given:

Variants of answer:

- a) after meals
- b) shortly before meals
- c) along with H₂ blockers
- d) during prolonged fasting periods
- e) during meals

640. Food does not interfere in absorption of:

Variants of answer:

- a) cimetidine
- b) ranitidine
- c) famotidine
- d) none of the above
- e) all

641. Antiulcer drug is:

Variants of answer:

- a) pirenzepine
- b) methylcellulose
- c) ciprofloxacin
- d) pyrimethamine
- e) ethambutol

642. True statement about Omeprazole is:

Variants of answer:

- a) it may cause Leomyosarcoma
- b) it is a nitrosourea
- c) may induce carcinoid tumours in rats
- d) it is more frequently used by the I.V. route than orally
- e) it is given after meal

643. Prostaglandins are not indicated in:

Variants of answer:

- a) Patent Ductus Arteriosus
- b) labour
- c) gastric ulcer
- d) paralytic ileus
- e) gastritis

644. In antacid preparation aluminum hydroxide is added with magnesium salt because:

Variants of answer:

- a) magnesium caused constipation
- b) to counteracts constipating effect of aluminum hydroxide
- c) to counteract the diarrhea action of aluminum
- d) aluminum salt causes diarrhea
- e) to counteract the constipating effect of magnesium salt

645. A 30 yr old male patient presented with massive haemetemesis. Upper GI endoscopy shows a 2x2cm ulcer on the posterior aspect of the first part of the duodenum. Bleeding vessel is seen, but could not be ontrolled endoscopically. Patient's pulse rate is 100, BP 110/70, Hb 10 gms% after blood transfusion. What will be the next line of management is:

Variants of answer:

- a) IV pantoprazole
- b) partial gastrectomy including the bleeding segment
- c) duodenotomy, with ligation of bleeding vessel, truncal vagotomy with pyloroplasty
- d) duodenotomy, ligation of bleeding vessel with truncal vagotomy, antrectomy
- e) partial gastrectomy

646. Androgen receptor blocking drug is:

Variants of answer:

- a) tamoxifen
- b) cyproterone acetate
- c) mifepristone
- d) nalondrone
- e) spironolacton

647. The drug NOT used in prostatic carcinoma:

Variants of answer:

- a) finasteride
- b) diethylstilbestrol
- c) testosterone
- d) flutamide
- e) tamoxiphen

648. True statement is:

Variants of answer:

- a) clomiphene acts as antiestrogen both on pitatary and hypothalamus
- b) danazol increases FSH and LH both
- c) methimazole inhibits thyroxine release from thyroid
- d) cyproterone is a potent antiandrogen
- e) none

649. A patient is having benign prostatic hyperplasia. He is having a blood pressure of 180/110 mmHg and a serum Creatinine of 3.5. Which of the following drugs is

NOT to be used to treat him:

Variants of answer:

- a) prazosin
- b) enalapril
- c) amlodipine
- d) metoprolol
- e) propranolol

650. Which one of the following substances is the most potent androgen?

Variants of answer:

- a) dihydroepiandrosterone
- b) dihydrotestosterone
- c) androstendione
- d) testosterone
- e) tamoxiphen

651. Finasteride is a:

Variants of answer:

- a) 5 alpha reductase inhibitor
- b) PDE inhibitor
- c) alpha 1 blocker
- d) androgen receptor blocker
- e) alpha 2 blocker

652. Selective alfa blocker is:

Variants of answer:

- a) prazosin
- b) terazosin
- c) tamsulosin
- d) indoramine
- e) clonidine

653. Androgen antagonists includes:

Variants of answer:

- a) cyproterone
- b) spironolactone
- c) cimetidine
- d) progesterone
- e) minocycline

654. Which of the following substances is the most potent androgen:

Variants of answer:

- a) dehydroepiandrosterone
- b) dihydrotestosterone
- c) androstenedione

- d) testosterone
- e) tamoxiphen

655. Which of the following is cardiotoxic:

Variants of answer:

- a) methotrexate
- b) cyclophosphamide
- c) adriamycin
- d) vincristine
- e) neostigmin

656. A 58 year old woman has been diagnosed with locally advanced breast cancer and has been recommended for chemotherapy. She has five years history of myocardial infarction and congestive heart failure. Which antineoplastic drug should be best avoided:

Variants of answer:

- a) anthracycline
- b) alkylating agent
- c) platinum compound
- d) bisphosphonates
- e) antibiotics

657. Which is the most active single chemotherapeutic agent in the treatment of Leiomyosarcoma?

Variants of answer:

- a) adriamycin
- b) doxorubicin
- c) methotrexate
- d) cisplatin
- e) aztreonam

658. A Cardiotoxic drug is:

Variants of answer:

- a) adriamycin
- b) cyclophosphamide
- c) 5-FU
- d) all of the above
- e) none

659. All the following are examples of cardiotoxic drugs, except:

Variants of answer:

- a) cyclophosphamide
- b) 5-FU
- c) adriamycin
- d) cisplatin

e) none

660. Adriamycin is classified as:

Variants of answer:

- a) antibiotic
- b) antimetabolite
- c) 5-FU antagonist
- d) vinca alkaloids
- e) plant alkaloids

661. A patient with cancer received extreme degree of radiation toxicity. Further history revealed that the dose adjustment of a particular drug was missed during the course of radiotherapy. Which of the following drugs required a dose adjustment in that patient during radiotherapy in order to prevent radiation toxicity:

Variants of answer:

- a) vincristine
- b) dactinomycin
- c) cyclophosphamide
- d) 6-Mercaptopurine
- e) methotrexate

662. The chemotherapeutic agent, most commonly administered by continuous infusion is:

Variants of answer:

- a) Ara-C (Cytarabine)
- b) F-FU (Fluorouracil)
- c) cisplatin
- d) etoposide
- e) methotrexate

663. True about alkylating agents:

Variants of answer:

- a) dose limiting mucosities
- b) dose limiting Myelosuppression
- c) DNA damage (cross linking of DNA)
- d) secondary carcinoma are common
- e) act on Selective 'S' phase

664. Melphalan is used in:

Variants of answer:

- a) multiple myeloma
- b) wilm's tumour
- c) neuroblastoma
- d) retinoblastoma
- e) papilom

665. A patient with Hodgkin's lymphoma is having a single cervical lymphnode. Biopsy showed lymphocyte predominant variant. Which of the following is the treatment of choice:

Variants of answer:

- a) chemotherapy with radiotherapy
- b) chemotherapy only
- c) radiotherapy only
- d) no treatment needed
- e) none

666. Which of the following is not an alkylating agent?

Variants of answer:

- a) cyclophosphamide
- b) 5-FU
- c) busulfan
- d) chlorambucil
- e) none

667. Sterility is caused by:

Variants of answer:

- a) vinca alkaloids
- b) alkylating agents
- c) antimetabolites
- d) actinomycin D
- e) methotrexate

668. Alkylating agents are:

Variants of answer:

- a) vincristin
- b) actinomycin-D
- c) chlorambucil
- d) 5 – FU
- e) cyclophosphamide

669. Alkylating agents include:

Variants of answer:

- a) doxorubicin
- b) chlorambucil
- c) vinblastine
- d) busulphan
- e) methotrexate

670. Sustained neutropenia is seen with?

Variants of answer:

- a) vinblastin
- b) cisplatin
- c) carmustine
- d) none of the above
- e) all

671. Drug used in treatment of carcinoma thyroid is:

Variants of answer:

- a) doxorubicin
- b) 5 –Flurouracil
- c) methotrexate
- d) vinblastine
- e) azatioprin

672. Cyclosporin acts on:

Variants of answer:

- a) CDa cells
- b) CD4 cells
- c) B-Lymphocytes
- d) T-Lymphocytes
- e) CD1 cells

673. Cyclosporine is active against:

Variants of answer:

- a) CD4+ lymphocyte
- b) CD8+lymphocyte
- c) CD14+lymphocyte
- d) B lymphocyte
- e) CD10+lymphocyte

674. Which of the following inhibits transcription:

Variants of answer:

- a) cyclosporin
- b) rapamycin
- c) 5-Flurouracil
- d) cyclophosphamide
- e) all

675. Cyclosporin acts by inhibiting the proliferation of:

Variants of answer:

- a) IL1
- b) IL2
- c) IL6
- d) macrophages
- e) IL3

676. Hypertension is seen with all, except:

Variants of answer:

- a) erythropoietin
- b) cyclosporine
- c) NSAID
- d) levodopa
- e) dopamine

677. Following drugs are immunosuppressive drug, except:

Variants of answer:

- a) cyclosporine
- b) cefaclor
- c) azathioprine
- d) steroids
- e) methotrexate

678. Complications of cyclosporine are:

Variants of answer:

- a) hypertension
- b) pulmonary fibrosis
- c) hirsutism
- d) none
- e) all

679. Drugs inhibiting IL-2:

Variants of answer:

- a) cycloserine
- b) cyclosporine
- c) OKT-3
- d) tacrolimus
- e) tamoxiphen

680. Long term use of lithium causes:

Variants of answer:

- a) peripheral neuropathy
- b) hypothyroidism
- c) anaemia
- d) jaundice
- e) hyperthyroidism

681. Lithium is used in a pregnant woman. Which of the following congenital anomaly occurs in foetus:

Variants of answer:

- a) tetralogy of Fallot's

- b) tricuspid atresia
- c) ebstein anomaly
- d) pulmonary stenosis
- e) microcephalia

682. Which of the following diuretics decrease the renal lithium clearance?

Variants of answer:

- a) acetazolamide
- b) hydrochlorothiazide
- c) furosemide
- d) spironolactone
- e) amilorid

683. Pre-treatment evaluation for lithium therapy should include:

Variants of answer:

- a) fasting blood sugar
- b) serum creatinine
- c) liver function tests
- d) platelet count
- e) anaemia

684. All of the following are part of the treatment of lithium toxicity, except:

Variants of answer:

- a) treating dehydration
- b) ingestion of polystyrene sulfonate
- c) hemodialysis
- d) using an antagonist
- e) dryness of skin

685. Lithium monitoring is done because of:

Variants of answer:

- a) low therapeutic efficacy
- b) very low therapeutic index
- c) adverse effects
- d) long half-life
- e) no excretion

686. Low therapeutic range is seen in:

Variants of answer:

- a) lithium
- b) erythromycin
- c) phenytoin
- d) propranolol
- e) tricyclic antidepressant

687. The following statements are true for therapy with Lithium, except:

Variants of answer:

- a) it is used in bipolar disorder
- b) thiazides are useful in treating Lithium induced diabetes insipidus
- c) regular measurements of blood concentration of Lithium is necessary
- d) Na⁺ is a specific antidote for lithium intoxication
- e) nonr

688. Which of the following does NOT reduce preload on heart:

Variants of answer:

- a) glyceryl trinitrate
- b) isosorbid dinitrate
- c) ACE inhibitor
- d) hydralazine
- e) nitroglycerin

689. Long term use of nitrates lead to decreased effect because of:

Variants of answer:

- a) development of resistance
- b) -SH group in the enzyme
- c) decreased oral absorption
- d) increased resistance
- e) increased metabolism

690. All of the following statements about antiangial action of nitrates are true, except:

Variants of answer:

- a) ↓ Myocardial O₂ consumption
- b) ↓ Both pre and after load
- c) ↓ total coronary flow
- d) cause favourable redistribution of coronary flow
- e) dilates arteries and veins

691. Most powerful coronary vasodilator is:

Variants of answer:

- a) adenosine
- b) CO₂
- c) hypoxia
- d) hypertension
- e) triptophan

692. K⁺ channel opener is:

Variants of answer:

- a) verapamil

- b) nicorandil
- c) nitroprusside
- d) amrinone
- e) diltiazem

693. About the use of nitrates all are true, except:

Variants of answer:

- a) in HOCM-not given
- b) acute M.I can be given
- c) CHF and acute LVF
- d) methemoglobinemia
- e) can be given in all types of angina pectoris

694. Arteriolar dilators used in treatment of CCF include:

Variants of answer:

- a) hydralazine
- b) nifedipine
- c) prazosin
- d) enalapril
- e) nitrates

695. Role of nitrates in congestive cardiac failure is due to:

Variants of answer:

- a) direct inotropic action
- b) decrease preload
- c) decrease afterload
- d) coronary vasodilation
- e) positive dromotropic effect

696. All are predominant arteriolar dilators, except:

Variants of answer:

- a) diazoxide
- b) minoxidil
- c) hydralazine
- d) Na nitroprusside
- e) none

697. A 6 year old child presents with malignant hypertension The Drug of choice is:

Variants of answer:

- a) Na nitroprusside
- b) sublingual nifedipine
- c) furosemide
- d) enalapril
- e) minoxidil

698. The mechanism of action of sodium nitroprusside is:

Variants of answer:

- a) increased cAMP
- b) increased guanylate cyclase
- c) calcium channel blockage
- d) K⁺ channel opener
- e) K⁺ channel blocker

699. All the following drugs decrease the preload, except:

Variants of answer:

- a) glyceryl tri-nitrate
- b) ACE inhibitors
- c) hydralazine
- d) sodium nitroprusside
- e) nitroglycerin

700. Predominant arteriolar dilators include all of the following, except:

Variants of answer:

- a) sodium nitroprusside
- b) diazoxide
- c) hydrallazine
- d) minoxidil
- e) none

701. Mechanism of action of sodium nitroprusside In cyanide poisoning:

Variants of answer:

- a) produce methemoglobinemia
- b) increased blood flow to liver
- c) increased blood flow to heart
- d) increased blood flow to kidney
- e) increased blood flow to lungs

702. All of the following drugs can induce Methemoglobinemia, except:

Variants of answer:

- a) nitroglycerine
- b) procaine
- c) prilocaine
- d) phenytoin
- e) izosorbide dinitrate

703. One of the following statements about hydralazine is not true:

Variants of answer:

- a) it causes direct relaxation of blood vessels
- b) it causes dilatation of both arteries and veins
- c) postural hypotension is not a common problem

- d) it increases plasma rennin activity
- e) it decreases blood pressure

704. Rx for Acne Vulgaris:

Variants of answer:

- a) minocycline
- b) cis retinoic acid
- c) etretinate
- d) rifampicin
- e) dapsone

705. Which of the following can be given with dose adjustment:

Variants of answer:

- a) levodopa + metoclopramide
- b) gentamicin + furosemide
- c) ferrous sulphate + tetracycline
- d) clonidine + chlorpromazine
- e) tetracycline+gentamycine

706. All of the following statements about adverse effects of tetracyclines are true, except:

Variants of answer:

- a) may lead to discolouration of teeth
- b) are a common cause of Superinfections
- c) May precipitate Liver damage
- d) are not known to be teratogenic
- e) can cause photosensibilization

707. Mechanism of action of tetracycline is:

Variants of answer:

- a) binds to A site and inhibit attachment of t-RNA
- b) inhibits peptidyl transferase
- c) causes misreading of mRNA
- d) causes termination of peptide chain elongation
- e) causes membrane inhibition

708. Drug clinically interacting with ribosomes to interfere with translation in bacteria:

Variants of answer:

- a) tetracycline
- b) erythromycin
- c) puromycin
- d) oligomycin
- e) ampicillin

709. Antibiotic resistance by enzyme inactivation seen in:

Variants of answer:

- a) penicillin
- b) fluoroquinolones
- c) tetracycline
- d) aminoglycoside
- e) none

710. Which of the following drug causes Pseudotumour cerebri:

Variants of answer:

- a) sparfloxacin
- b) tetracycline
- c) gentamicin
- d) clofazimine
- e) amoxicillin

711. Tetracycline inhibits protein synthesis by:

Variants of answer:

- a) inhibiting initiation and causing misreading of m RNA
- b) binding to 30 S subunit and inhibits binding of aminoacyl tRNA
- c) inhibiting peptidyl transferase activity
- d) inhibiting translocation
- e) inhibiting transmitters

712. Which is NOT a third generation Cephalosporin:

Variants of answer:

- a) ceftriaxone
- b) cefotaxime
- c) ceftizoxime
- d) cefuroxime
- e) cefepim

713. All of the following antibacterial agents acts by inhibiting cell wall synthesis, except:

Variants of answer:

- a) carbapenems
- b) monobactams
- c) cephamycins
- d) nitrofurantoin
- e) penicillins

714. Advantages of 3^r generation cephalosporins over 1 and 2 generation cephalosporins is that they are:

Variants of answer:

- a) β -lactamase sensitive

- b) not orally administered
- c) effective against Gram +ve bacteria
- d) effective against Gram -ve bacteria
- e) against MRSA

715. Which is true regarding cefepime:

Variants of answer:

- a) 4th generation cephalosporin
- b) once a day dose is sufficient
- c) antipseudomonal action
- d) dose should be reduced in liver pathology
- e) it is a prodig

716. Which of the following antibiotics acts by inhibiting cell wall synthesis?

Variants of answer:

- a) cefepime
- b) aminoglycosides
- c) erythromycin
- d) doxycycline
- e) azithromycin

717. Which of the following is a fourth generation Cephalosporin:

Variants of answer:

- a) ceftriaxone
- b) cefaclor
- c) cefepime
- d) cefuroxime
- e) ceftobiprol

718. Which antibiotic acts by inhibiting cell wall synthesis:

Variants of answer:

- a) cefepime
- b) lomefloxacin
- c) erythromycin
- d) tetracycline
- e) doxycycline

719. Gout is NOT caused by which of the following:

Variants of answer:

- a) chlorthalidone
- b) sulfinpyrazone
- c) aspirin
- d) pyrazinamide
- e) indapamid

720. A patient receiving allopurinol requires dose reduction of:

Variants of answer:

- a) 6 mercaptopurine
- b) cyclophosphamide
- c) azathioprine
- d) cimetidine
- e) ranitidine

721. Granulomatous hepatitis is caused by:

Variants of answer:

- a) allopurinol
- b) methyldopa
- c) furazolidone
- d) amiodarone
- e) ursodesoxiholic acid

722. MOA of allopurinol is:

Variants of answer:

- a) increase uric acid excretion
- b) decreases uric acid synthesis
- c) both
- d) none
- e) decrease uric acid excretion

723. Drugs inhibiting formation of purines:

Variants of answer:

- a) 5-FU
- b) 6- mercaptopurine
- c) hydroxyurea
- d) melhotrexate
- e) cytosine arabinoside

724. Allopurinol prevents conversion of:

Variants of answer:

- a) hypoxanthine to xanthine
- b) xanthine to hypoxanthine
- c) hypoxanthine to I.M.P
- d) xanthine to uric acid
- e) xanthine to I.M.P

725. Which of the following drugs is known to cause granuloma in the liver:

Variants of answer:

- a) allopurinol
- b) nifedipine
- c) tetracycline

- d) methyl testosterone
- e) amlodipin

726. Gynaecomastia is side effect of all, except:

Variants of answer:

- a) ranitidine
- b) cimetidine
- c) spironolactone
- d) ketoconazole
- e) digitalis

727. Gynaecomastia is a side effect of all, except:

Variants of answer:

- a) digitalis
- b) ketoconazole
- c) rifampicin
- d) spironolactone
- e) cimetidine

728. Drug causing Hirsutism and Gynaecomastia:

Variants of answer:

- a) spironolactone
- b) rifampicin
- c) penicillin
- d) bumetanide
- e) tetracycline

729. Gynaecomastia may be associated with administration of:

Variants of answer:

- a) ranitidine
- b) cimetidine
- c) terfenadine
- d) omeprazole
- e) anaprilin

730. Gynocostamia may be caused by all, except:

Variants of answer:

- a) cimetidine
- b) ranitidine
- c) ketoconazole
- d) spironolactone
- e) digoxin

731. Gynaecomastia is caused by:

Variants of answer:

- a) clomiphene citrate
- b) tamoxifen
- c) spironolactone
- d) testosterone
- e) amilorid

732. Gynaecomastia is caused by:

Variants of answer:

- a) spironolactone
- b) rifampicin
- c) thiazide
- d) propranolol
- e) verapamil

733. Extra pyramidal syndrome like side effects are seen in:

Variants of answer:

- a) haloperidol
- b) clozapine
- c) tetracycline
- d) ketoconazole
- e) valproic acid

734. A 30 year old manic patient was prescribed haloperidol one week back. For last two days he has become restless and kept pacin in the room for a day. One examination he was fond to have tremors of hand, he is most likely suffering from:

Variants of answer:

- a) anhedonia
- b) dystonia
- c) restless leg syndrome
- d) akathisia
- e) none

735. The most common side effect reported with treatment with haloperidol is:

Variants of answer:

- a) hypotension
- b) akathisia
- c) dryness of mouth
- d) tic disorder
- e) nausea

736. Which of the following drug is not used in anxiety?

Variants of answer:

- a) risperidone
- b) SSRI
- c) clonazepam

- d) buspirone
- e) diazepam

737. Oculogyric crisis is known to be produced by all of the following drugs, except:

Variants of answer:

- a) trifluoperazine
- b) atropine
- c) perchlorperazine
- d) perphenazine
- e) none

738. The most common side effect of chronic use of phenothiazines is:

Variants of answer:

- a) akathisia
- b) tardive akinesia
- c) tardive dyskinesia
- d) muscular dystonia
- e) dysphagia

739. The most common side effect associated with chronic use of phenothiazines is:

Variants of answer:

- a) akathisia
- b) parkinsonism
- c) tardive dyskinesia
- d) muscular dystonia
- e) dysphagia

740. One of the following statements regarding mycophenolate mofetil is incorrect:

Variants of answer:

- a) it is a prodrug
- b) it is a selective uncompetitive and reversible inhibitor
- c) it also inhibits calcineurin
- d) selectivity inhibits lymphocyte proliferation
- e) none

741. All are true about immunosuppressants, except?

Variants of answer:

- a) tacrolimus inhibits calcineurin pathway
- b) steroids binds to cytosolic receptors and heat shock proteins
- c) mycophenolate inhibit purine synthesis via GMP dehydrogenase
- d) sirolimus will block kinase in the IL 2 receptor pathway
- e) are used in transplantation of organs

742. FK-506 is used in:

Variants of answer:

- a) organ transplant
- b) bronchial asthma
- c) diabetic diarrhea
- d) chemotherapeutic agent
- e) allergic reaction

743. FK-506 is a:

Variants of answer:

- a) it is a macrolide antibiotic
- b) immunoglobulin antibody
- c) non depolarising muscle relaxant
- d) opioid analgesic
- e) NSAIDS

744. Adverse effect of Tacrolimus include all of the following, except:

Variants of answer:

- a) neurotoxicity
- b) tardive dyskinesia
- c) diabetes
- d) hirsutism
- e) arterial hypertension

745. Which of the following statements is not true about Tacrolimus?

Variants of answer:

- a) it is macrolide Antibiotic
- b) it is indicated for the prophylaxis of organ transplant rejection
- c) glucose intolerance is a well Recognized side effect
- d) it can be safely administered with any Nephrotoxic drug
- e) it does immunosuppression

746. Nephrotoxicity is a side effect of one of the following immuno-suppressives:

Variants of answer:

- a) sirolimus
- b) tacrolimus
- c) mycophenolate mofetil
- d) azathioprine
- e) none

747. Lactic acidosis is a side effect of:

Variants of answer:

- a) phenformin
- b) metformin
- c) chlorpropamide
- d) glibenclamide
- e) amlodipine

748. All are true regarding oral hypoglycemic agent, except:

Variants of answer:

- a) effective only after total pancreatectomy
- b) metformin causes lactic acidosis
- c) causes release of insulin from beta-cells
- d) useful in obese maturity onset diabetics
- e) can be used in diabetes mellitus type 1

749. All are true about Metformin, except:

Variants of answer:

- a) causes little or no hypoglycemia in non diabetic subjects
- b) acts by increased insulin secretion
- c) increases peripheral utilisation of glucose and decreases absorption of glucose from intestine
- d) when given with alcohol, increases risk of lactic acidosis
- e) none

750. Which one of the following statements about biguanides is not true?

Variants of answer:

- a) don't stimulate insulin Release
- b) decrease hepatic glucose production
- c) renal Dysfunction is not a contraindication for their use
- d) can be combined with sulfonylureas
- e) none

751. Biguanides acts by following, except:

Variants of answer:

- a) ↓ insulin release from pancreas
- b) ↑ glycolysis
- c) ↓ Gluconeogenesis
- d) ↑ insulin binding to its receptors
- e) none

752. Which of the following drugs is to be discontinued on the day of surgery:

Variants of answer:

- a) atenolol
- b) amlodipine
- c) metformin
- d) statins
- e) allopurinol

753. Therapeutic drug monitoring is advised in all, except:

Variants of answer:

- a) metformin

- b) phenytoin
- c) tacrolimus
- d) cyclosporine
- e) none

754. Tolerance occurs to all side effects of Morphine, except:

Variants of answer:

- a) sedation
- b) constipation
- c) pain relieving
- d) euphoric effect
- e) vomiting

755. Which of the following is TRUE for morphine:

Variants of answer:

- a) tolerance to all its actions except sedation and euphoria
- b) tolerance to all side effects except constipation and miosis
- c) it is a peripherally acting analgesic
- d) it has no abuse potential
- e) it has no toxicity

756. The effective and safe drug for intractable pain in terminal cancer stage is:

Variants of answer:

- a) injectable pethidine
- b) injectable ketamine
- c) oral Brufen
- d) oral Morphine
- e) oral paracetamol

757. The drug NOT used for analgesia in a head injury patient is:

Variants of answer:

- a) morphine
- b) NSAIDS
- c) rofecoxib
- d) acetaminophen
- e) analgin

758. Morphine can be used in all the following conditions, except:

Variants of answer:

- a) head injury
- b) asthma
- c) hypothyroidism
- d) diabetes
- e) myocardial infarction

759. Established routes of administration of morphine include:

Variants of answer:

- a) inhalation
- b) rectal
- c) SC
- d) IV
- e) all

760. Morphine cannot be given in which of the following routes:

Variants of answer:

- a) IM
- b) transdermal
- c) epidural
- d) subarachnoid
- e) oral

761. Drug of choice for Methicillin resistant staphylococcus aureus is (MRSA):

Variants of answer:

- a) amoxicillin-clavulanate
- b) vancomycin
- c) flucloxacillin
- d) clindamycin
- e) erythromycin

762. Drugs not used in MRSA:

Variants of answer:

- a) penicillin
- b) linezolid
- c) teicoplanin
- d) quinupristin / dalbavandin
- e) ceftazidime

763. The following drug is not useful for MRSA:

Variants of answer:

- a) cefaclor
- b) cotrimoxazole
- c) ciprofloxacin
- d) levofloxacin

764. The following drug is not useful for MRSA:

Variants of answer:

- a) cefaclor
- b) vancomycin
- c) ciprofloxacin
- d) linezolid

e) teicoplanine

765. The following drug is not useful for MRSA:

Variants of answer:

- a) cefaclor
- b) cotrimoxazole
- c) ciprofloxacin
- d) vancomycin
- e) teicoplanine

766. Which of the following statements is most correct regarding, resistance to Methicillin in MRSA:

Variants of answer:

- a) resistance is produced as a result of alteration in Penicillin Binding Proteins (PBP)
- b) resistance is produced by production of β -lactamase
- c) resistance is mediated by plasmids
- d) expression of Resistance is enhanced by incubating at 37°C during susceptibility testing
- e) none

767. All of the following are true about Methicillin Resistance in MRSA, except:

Variants of answer:

- a) resistance is produced as a result of altered PBP's
- b) resistance may be produced by hyperproduction of Beta Lactamase
- c) resistance is primarily mediated /transmitted via plasmids
- d) resistance may be missed at incubation temperature of 37°C during susceptibility testing
- e) none

768. Mala-N contains:

Variants of answer:

- a) ethinyl estradiol 0.3 mg
- b) norethisterone 1 mg
- c) d-norgestrol 0.5 mg
- d) d-norgestrol 0.3 mg
- e) d-norgestrol 0.7 mg

769. Absolute contraindication to OC pills:

Variants of answer:

- a) epilepsy
- b) migraine
- c) renal failure
- d) thromboembolism
- e) headache

770. OCP produces in liver:

Variants of answer:

- a) cholangio Ca
- b) adenoma
- c) cirrhosis
- d) atrophic changes
- e) all

771. Drugs causing cholestatic jaundice:

Variants of answer:

- a) estrogen
- b) cyclosporin
- c) INH
- d) phenothiazine
- e) ethambutol

772. Women receiving oestrogen therapy have an increased risk of developing all of the following cancers, except:

Variants of answer:

- a) breast cancer
- b) endometrial carcinoma
- c) carcinoma of gall bladder
- d) hepatocellular carcinoma
- e) none

773. OCP should not be used with:

Variants of answer:

- a) rifampicin
- b) INH
- c) streptomycin
- d) pyrazinamide
- e) bisiprolol

774. A lady on centchroman misses 4 consecutive doses of it. One of the following is advised:

Variants of answer:

- a) continue normal dose
- b) condom by husband and continue normal dose
- c) double the dose for two days
- d) to take 4 tablets immediately
- e) double the dose for 1 week

775. All are true regarding prazosin, except:

Variants of answer:

- a) first dose effect

- b) impaired glucose tolerance
- c) selective alpha-1 blocker
- d) is an antihypertensive drug
- e) side effect is hypotension

776. Wrong about prazosin is:

Variants of answer:

- a) α_2 presynaptic blocker
- b) orally effective
- c) metabolised in liver
- d) first dose effect may occur
- e) side effect is hypotension

777. Postural hypotension is common with:

Variants of answer:

- a) prazosin
- b) labetalol
- c) sodium nitroprusside
- d) captopril
- e) enalapril

778. Most commonly postural hypotension is seen with:

Variants of answer:

- a) prazosin
- b) nifedipine
- c) atenolol
- d) ACE inhibitors
- e) Sartans

779. Selective alpha 1 antagonists are following, except:

Variants of answer:

- a) prazosin
- b) terazosin
- c) butoxamine
- d) tamsulosin
- e) none

780. Antihypertensive drugs beneficial or neutral role in Lipid metabolism:

Variants of answer:

- a) prazosin
- b) propranolol
- c) furosemide
- d) losartan
- e) chlorthiazide

781. First dose hypotension is caused by:

Variants of answer:

- a) prazosin
- b) clonidine
- c) sodium nitroprusside
- d) propranolol
- e) enalapril

782. Pulmonary fibrosis is a side effect of all, except:

Variants of answer:

- a) busulphan
- b) phenytoin
- c) sulphonamide
- d) d-penicillamine
- e) bisoprolol

783. Pneumopathy is a side effect of all, except:

Variants of answer:

- a) alpha methyl dopa
- b) busulphan
- c) melphalan
- d) nitrofurantoin
- e) mileran

784. Pulmonary fibrosis is a side effect of:

Variants of answer:

- a) methotrexate
- b) vincristine
- c) bleomycin
- d) cyclophosphamide
- e) none

785. Pulmonary fibrosis is the most common complication after treatment with:

Variants of answer:

- a) 6- mercaptopurine
- b) vincristine
- c) bleomycine
- d) adriamycine
- e) busulphan

786. Pulmonary infiltration may be seen with all of the following drugs, except:

Variants of answer:

- a) 5FU"
- b) bleomycin
- c) busulphan

- d) cyclophosphamide
- e) vinkristin

787. All the following drugs cause pulmonary fibrosis, except:

Variants of answer:

- a) busulfan
- b) methotrexate
- c) doxorubicin
- d) bleomycin
- e) vinkristin

788. DRUGS causing pulmonary fibrosis:

Variants of answer:

- a) bleomycin
- b) mitoxantrone
- c) buspirone
- d) nitrofurantoin
- e) bleomycin

789. Folic acid metabolism Is Inhibited by:

Variants of answer:

- a) sulfonamides
- b) Mtx
- c) NO
- d) trimethoprim
- e) 5-Flucytosine

790. Which of the following medications is contraindicated in patients with allergy to sulphonamides?

Variants of answer:

- a) levobunolol
- b) bimatoprost
- c) brinzolamide
- d) brimonidine
- e) none

791. All of the following are topically used sulphonamides, except:

Variants of answer:

- a) sulphacetamide
- b) sulphadiazine
- c) silver sulphadiazine
- d) mafenide
- e) none

792. Which of the following statements is not true regarding sulfonamides:

Variants of answer:

- a) sulfasalazine is absorbed well from GIT
- b) crystalluria can occur with sulfonamide Administration
- c) sulfonamide administration to Newborn may cause Kernict-erus
- d) sulfonamides are of value intreatment of infections due to Norcardia species
- e) indication of sulfasalazine is Chron's disease

793. Drug of choice for pneumocystis carinii:

Variants of answer:

- a) cotrimoxazole
- b) erythromycin
- c) penicillin
- d) metronidazole
- e) ampicillin

794. All are true about Cotrimoxazole, except:

Variants of answer:

- a) resistance is delayed due to drugs in combination
- b) trimethoprim : sulphamethoxazole = 1:5
- c) similar pharmacokinetics for both components
- d) trimethoprim increases absorption of sulphamethoxazole
- e) it acts against MRSA

795. In a patient with Listeria meningitis who is allergic to penicillin, the antimicrobial of choice is:

Variants of answer:

- a) vancomycin
- b) gentamicin
- c) trimethoprim-sulphamethoxazole
- d) ceftriaxone
- e) ampicillin

796. Which of the following is NOT a prodrug:

Variants of answer:

- a) levodopa
- b) phenobarbitone
- c) sulphasalazine
- d) bacampicillin
- e) enalapril

797. All the following antimicrobial agents are used topically, except:

Variants of answer:

- a) clotrimazole
- b) griseofulvin
- c) nystatin

- d) miconazole
- e) chloramphenicol

798. All of the following drugs act on cell membrane, except:

Variants of answer:

- a) nystatin
- b) griseofulvin
- c) amphotericin B
- d) polymixinB
- e) levorin

799. Which of the following drugs is not an antifungal agent:

Variants of answer:

- a) ciclopiroxolamine
- b) ketoconazole
- c) undecylenic acid
- d) clofazimine
- e) nystatin

800. A patient taking Ketoconazole & Terfenadine both, is prone for:

Variants of answer:

- a) cardiac arrhythmia
- b) toxicity of ketoconazole
- c) congestive cardiac failure
- d) all of the above
- e) none

801. Drugs causing Addison's disease are:

Variants of answer:

- a) ketoconazole
- b) aminoglutethimide
- c) cyclosporine
- d) glucocorticoids
- e) paracetamol

802. Which drug would treat both dermatophytosis and candidal infection?

Variants of answer:

- a) ketoconazole
- b) griseofulvin
- c) nystatin
- d) tolnafet
- e) terbinafen

803. Mebendazole is used in all of the following, except:

Variants of answer:

- a) hook worm
- b) round worm
- c) strongyloides
- d) trichuris tnychura
- e) ascaridosis

804. Albendazole may be used for treatment of all of the following conditions, except:

Variants of answer:

- a) entrobium
- b) ascariasis
- c) ankylostoma
- d) schistosomiasis
- e) ascaridosis

805. Mebendazole is effective for following, except:

Variants of answer:

- a) cysticercosis
- b) t.trichuria
- c) trichinella
- d) ascaris
- e) hook worm

806. Broad spectrum antihelminthics are:

Variants of answer:

- a) niclosemide
- b) praziquantal
- c) albendazole
- d) mebendazole
- e) pyrental pamoate

807. Which drug is NOT given in Tenia solium inf:

Variants of answer:

- a) niclosemide
- b) praziquantal
- c) albendazole
- d) flubendazole
- e) mebendazol

808. DOC in tapeworm infestation:

Variants of answer:

- a) niridazole
- b) niclosamide
- c) albendazole
- d) praziquantel

e) none

809. Which of the following is a prodrug?

Variants of answer:

- a) clopidogrel
- b) aspirin
- c) dipyridamole
- d) captopril
- e) clonidine

810. All of the following are GpIIb/IIIa antagonist, except:

Variants of answer:

- a) abciximab
- b) clopidogrel
- c) tirofiban
- d) eptifibatide
- e) none

811. Dipyridamole acts by:

Variants of answer:

- a) adenosine uptake inhibition
- b) inhibiting thromboxane A₂
- c) stimulating PGI₂ synthesis
- d) inhibiting PGI₂ synthesis
- e) inhibiting PGI₁ synthesis

812. 'Coronary steal phenomenon' is caused by:

Variants of answer:

- a) dipyridamole
- b) diltiazem
- c) propranolol
- d) verapamil
- e) aspirin

813. All of the following statements about ticlodipine are true, except:

Variants of answer:

- a) directly interacts with platelet membrane, gpIIb/ IIIa receptors
- b) onset of action is delayed
- c) duration of action is long
- d) it is used as an alternative to aspirin in patients with cerebrovascular disease
- e) inhibit ADP receptors

814. Dipyridamole acts by:

Variants of answer:

- a) thromboxane A₂ synthesis inhibition

- b) antagonise the uptake of adenosine by platelet
- c) calcium channel blocking property PGI₂ stimulation
- d) inhibiting ADP receptors
- e) interacting with platelet membrane, gpIIb/ IIIa receptors

815. Side-effects of the cisplatin include all of the following, except:

Variants of answer:

- a) nausea and vomiting
- b) nephrotoxicity
- c) blindness
- d) ototoxicity
- e) myelosuppression

816. Which of the following is a common side-effect of Cisplatin:

Variants of answer:

- a) diarrhea
- b) vomiting
- c) pulmonary fibrosis
- d) alopecia
- e) blood stool

817. Drugs causing deafness:

Variants of answer:

- a) cisplatin
- b) deferoxamine
- c) mustine hydrochloride
- d) adriamycin
- e) vinkristin

818. Anticancer drugs having highest emetogenic potential:

Variants of answer:

- a) cisplatin
- b) vincristine
- c) methotrexate
- d) busulfan
- e) methotrexate

819. Which of the following drugs is associated with untoward side effect of renal tubular damage?

Variants of answer:

- a) cisplatin
- b) streptozotocin
- c) methysergide
- d) cyclophosphamide
- e) methotrexate

820. Which of the following chemotherapeutic agents is associated with secondary leukemia?

Variants of answer:

- a) vinblastine
- b) etoposide
- c) cisplatin
- d) bleomycin
- e) doxorubicin

821. Skin pigmentation is caused by:

Variants of answer:

- a) cyclophosphamide
- b) dactinomycin
- c) methotrexate
- d) busulphan
- e) vinblastine

822. Haemorrhagic cystitis is caused by:

Variants of answer:

- a) cyclophosphamide
- b) busulphan
- c) prednisolone
- d) meiphalan
- e) none

823. Sodium 2-mercapto ethane sulfonate (mesna) is used as a protective agent in:

Variants of answer:

- a) radiotherapy
- b) cancer chemotherapy
- c) lithotripsy
- d) hepatic encephalopathy
- e) all

824. Sterile haemorrhagic cystitis is caused by:

Variants of answer:

- a) busulfan
- b) ketoprofen
- c) methicillin
- d) cyclophosphamide
- e) vinkristin

825. Mesna is given with cyclophosphamide to:

Variants of answer:

- a) increase absorption

- b) decrease excretion
- c) for prevention haemorrhagic cystitis
- d) decrease metabolism
- e) increase metabolism

826. Cyclophosphamide is used in all, except:

Variants of answer:

- a) burkitt's lymphoma
- b) hodgkin's lymphoma
- c) choriocarcinoma
- d) ovarian cancer
- e) autoimmune diseases

827. Antagonist of Benzodiazepine Is:

Variants of answer:

- a) nalorphine
- b) carbamazepine
- c) naloxone
- d) flumazenil
- e) valproic acid

828. Flumazenil is a:

Variants of answer:

- a) diazepam antagonist
- b) diazepam reverse agonist
- c) agonist at BZD receptors
- d) Selective Serotonin Reuptake Inhibitor (SSRI)
- e) inhibitor of MAO-B

829. Flumazenil is:

Variants of answer:

- a) benzodiazepine agonist
- b) benzodiazepine antagonist
- c) adrenergic blocking agent
- d) cholinesterase inhibitor
- e) muscarinic blocker

830. Flumazenil is a:

Variants of answer:

- a) benzodiazepine antagonist
- b) benzodiazepine agonist
- c) adrenergic blocking agent
- d) opiate antagonist
- e) muscarinic blocker

831. Benzodiazepine antagonist?

Variants of answer:

- a) flumazenil
- b) naloxone
- c) furazolidone
- d) naltrexone
- e) ferrum-lek

832. Which of the following is a benzodiazepene antagonist:

Variants of answer:

- a) flumazenil
- b) butorphanol
- c) naltrexone
- d) pralidoxime
- e) verapamil

833. Eterncept acts by one of the following mechanisms:

Variants of answer:

- a) by blocking tumor necrosis factor
- b) by blocking bradykinin synthesis
- c) by inhibiting cyclo-oxygenase-2
- d) by blocking lipoxygenase
- e) by blocking gluconeogenesis

834. The drug imatinib acts by inhibition of:

Variants of answer:

- a) tyrosine kinase
- b) glutathione reductase
- c) thymidile synthetase
- d) protein kinase
- e) bradikynin

835. Imatinib used in CML acts by:

Variants of answer:

- a) inhibiting Bcr/abl translocation via tyrosine kinase
- b) blocking the action of P-glycoprotein
- c) competitive inhibition of ATP binding site of Abl kinase
- d) C-kit kinase inhibition
- e) blocking ADP receptors

836. Imatinib is used in the treatment of?

Variants of answer:

- a) chronic myelomonocytic leukemia
- b) MDS
- c) ALL

- d) GIST
- e) ileus cancer

837. Which of the following is the established biological therapy for Crohn's disease:

Variants of answer:

- a) anti TNF α -antibody
- b) IL-1 antagonist
- c) IL-6 antagonist
- d) IL-8 antagonist
- e) IL-10 antagonist

838. DENOSUMAB a monoclonal antibody against RANKL receptor is used in the treatment of:

Variants of answer:

- a) rheumatoid arthritis
- b) osteoporosis
- c) osteoarthritis
- d) SLE
- e) acute rheumatic fever

839. All are contraindications for use of Streptokinase in management of MI, except:

Variants of answer:

- a) active peptic ulcer
- b) coagulopathy
- c) NIDDM
- d) hypotension
- e) none

840. All are true about streptokinase and urokinase, except:

Variants of answer:

- a) infection with streptococcus causes beneficial dual effect
- b) reduces chances of arterial and venous thrombosis
- c) control is done with thrombin time
- d) mechanism of action is plasmin activates thrombin
- e) causes bleeding

841. Treatment of choice in a patient of acute pulmonary embolism with right ventricular hypokinesia and compromised cardiac output but normal blood pressure is:

Variants of answer:

- a) thrombolytic agent
- b) low molecular weight heparin
- c) warfarin

- d) IV filters
- e) enoxaparin

842. Drugs not used in myocardial infarction are:

Variants of answer:

- a) inhibitors of platelet aggregation
- b) thrombolytics
- c) anticoagulants
- d) inhibitors of plasminogen activator
- e) heparin

843. Among following least anaphylaxis is seen with:

Variants of answer:

- a) streptokinase
- b) urokinase
- c) anisolated streptokinase
- d) tPA
- e) none

844. All are fibrinolytic, except:

Variants of answer:

- a) streptokinase
- b) urokinase
- c) alteplase
- d) epsilon amino caproic acid
- e) tenecteplase

845. Acetylation is seen in all, except:

Variants of answer:

- a) INH
- b) hydralazine
- c) procainamide
- d) phenytoin
- e) cimetidine

846. Which drug is not acetylated?

Variants of answer:

- a) INH
- b) dapsone
- c) hydralazine
- d) metoclopropamide
- e) cimetidine

847. All of the following drugs are metabolized by acetylation, except:

Variants of answer:

- a) INH
- b) hydralazine
- c) procainamide
- d) metoclopramide
- e) cimetidine

848. All are metabolized by acetylation, except:

Variants of answer:

- a) hydralazine
- b) INH
- c) procainamide
- d) chlorpromazine
- e) cimetidine

849. All of the following drugs are metabolised by acetylation, except:

Variants of answer:

- a) INH
- b) sulfonamides
- c) ketoconazole
- d) hydralazine
- e) cimetidine

850. Amiodarone causes all, except:

Variants of answer:

- a) hyperthyroidism
- b) pulmonary fibrosis
- c) hyperuricemia
- d) hypothyroidism
- e) skin pigmentation

851. Which of the following is not an adverse effect of chronic amiodarone therapy:

Variants of answer:

- a) pulmonary fibrosis
- b) hypothyroidism
- c) hyperthyroidism
- d) systemic lupus erythematosus
- e) skin pigmentation

852. Rapidly progressive pulmonary fibrosis is seen in:

Variants of answer:

- a) paracetamol poisoning
- b) kerosene poisoning
- c) amiodarone poisoning
- d) chloroquine toxicity

e) morphine poisoning

853. Which of the following antiarrhythmics drugs causes prolonged repolarization of ventricles & ERP:

Variants of answer:

- a) amiodarone
- b) propranolol
- c) verapamil
- d) quinidine
- e) nifedipine

854. All of the following are side effects of Amiodarone, except:

Variants of answer:

- a) pulmonary fibrosis
- b) corneal microdeposits
- c) thyroid dysfunction
- d) osteoporosis
- e) photosensibilization

855. Which of the following is the treatment of choice for cryptococcal meningitis?

Variants of answer:

- a) fluconazole
- b) itraconazole
- c) fluocytosine
- d) amphotericin B
- e) griseofulvine

856. The antimicrobial agent which inhibits the ergosterol biosynthesis is:

Variants of answer:

- a) ciprofloxacin
- b) amphotericin B
- c) 5-Fluorocytosine
- d) griseofulvin
- e) ofloxacin

857. Drugs causing hypokalemia:

Variants of answer:

- a) amphotericin B
- b) insulin
- c) cyclosporine
- d) carbenoxolone
- e) NSAIDs

858. Site of action of amphotericin is:

Variants of answer:

- a) cell membrane
- b) cytoplasm
- c) nucleus
- d) protein synthesis
- e) ribosomes

859. Which of the following is caused by Amphotericin B:

Variants of answer:

- a) hypokalemia
- b) hyperkalemia
- c) hypermagnesemia
- d) hyponatremia

860. Actions of atropine are all, except:

Variants of answer:

- a) bronchoconstriction
- b) tachycardia
- c) mydriasis
- d) CNS stimulation
- e) paralysis of accommodation

861. All are true of atropine, except:

Variants of answer:

- a) mydriasis
- b) ↑ HR
- c) myosis
- d) Rubor
- e) constipation

862. Atropine causes:

Variants of answer:

- a) decreased cardiac output
- b) heart block
- c) hypertension
- d) miosis
- e) sweating

863. Atropine-mechanism of action in poisoning:

Variants of answer:

- a) reactivation of choline-esterase
- b) acts on central and peripheral postganglionic receptors
- c) acts on central and peripheral cholinergic receptors
- d) acts on peripheral cholinergic receptors only
- e) acts on adrenaline receptors

864. Which one of the following drugs does not produce central anticholinergic syndrome:

Variants of answer:

- a) atropine sulphate
- b) glycopyrrolate
- c) antihistaminics
- d) tricyclic antidepressants
- e) platiphylline

865. Mechanism of action of Clonidine in opioid withdrawal syndrome is:

Variants of answer:

- a) β blocking effect
- b) inhibition of opioid receptor
- c) action on α_2 presynaptic nerve ending
- d) postsynaptic action
- e) α_1 inhibiting effect

866. The following statement is not true about the use of clonidine in the treatment of hypertension:

Variants of answer:

- a) reduction in central sympathetic outflow
- b) increase in LDL-cholesterol on prolonged use
- c) sedation and xerostomia are common side effects
- d) it can be combined with vasodilators
- e) side effect is withdrawal syndrome

867. True statement about clonidine are all, except:

Variants of answer:

- a) increases parasympathetic outflow
- b) decreases sympathetic outflow by blocking central alpha receptor
- c) used in Hypertension
- d) prazosin is used to antagonize side effects of clonidine
- e) stimulates α_2 receptors

868. Clonidine is a:

Variants of answer:

- a) α_1 selective agonist
- b) α_2 selective agonist
- c) α_1 selective antagonist
- d) α_2 selective antagonist
- e) β_2 agonist

869. Which of the following antihypertensive drugs is devoid of any central action:

Variants of answer:

- a) clonidine

- b) methyldopa
- c) propranolol
- d) indapamide
- e) clopheline

870. When a drug is evaluated for its usefulness in controlled conditions, it is termed as a trial signifying:

Variants of answer:

- a) efficacy
- b) effectiveness
- c) efficiency
- d) effect modification
- e) none

871. Phase II in a clinical drug trial is done to assess:

Variants of answer:

- a) therapeutic efficacy
- b) maximal tolerated dose
- c) maximal lethal dose
- d) toxicity
- e) side effects

872. In which of the following phases of clinical trial of drug ethical clearance is not required?

Variants of answer:

- a) phase I
- b) phase II
- c) phase III
- d) phase IV
- e) phase V

873. At pharmacological doses unwanted unavoidable effects are called:

Variants of answer:

- a) side effects
- b) Idiosyncrotic reaction
- c) toxicity
- d) pharmacogenetics
- e) tolerance

874. Good clinical practice (GCP) seen in all, except:

Variants of answer:

- a) preclinical trials
- b) phase I trials
- c) phase II trials
- d) phase IV trials

e) phase III trials

875. Pt. is on antipsychotics develops temp of 40°C and BP 150/100 and abnormal behavior what is the diagnosis:

Variants of answer:

- a) aggravation of psychosis
- b) parkinsonism
- c) dystonia
- d) neuroleptic malignant syndrome
- e) akathisia

876. Pt. is on anti psychotics develops temperature of 40°C and BP 150/100 and abnormal behavior what is the diagnosis:

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877. A female suffering from psychosis, taking phenothiazines now complains of sudden onset of high grade fever, muscle rigidity and altered sensorium. The diagnosis is:

Variants of answer:

- a) malignant hyperthermia
- b) neuroleptic malignant syndrome
- c) tardive dyskinesia
- d) akathisia
- e) idiosyncrasia

878. All of the following may be seen with Neuroleptic malignant syndrome, except:

Variants of answer:

- a) hypothermia
- b) altered consciousness
- c) muscle rigidity
- d) involuntary movements
- e) none

879. Risperidone asso with the risk of:

Variants of answer:

- a) cerebrovascular accidents
- b) EPS clinical features
- c) agranulocytosis
- d) diabetes insipidus

e) gout

880. Which of the following is not true:

Variants of answer:

- a) if drug administered rectally it follow T order kinetics
- b) if drug administered I.M. it follows 'O' order kinetics
- c) if drug administered I.V. it follows '1' order kinetics
- d) bio availability is lower after oral administration
- e) bio availability is higher after IV administration

881. For drugs with first order kinetics the time required to achieve steady state levels can be predicted from:

Variants of answer:

- a) volume of distribution
- b) half-life
- c) clearance
- d) loading dose
- e) all of above

882. True statement regarding first order kinetics is:

Variants of answer:

- a) independent of plasma concentration
- b) a constant proportion of plasma concentration is eliminated
- c) $T_{1/2}$ increases with dose
- d) clearance decreases with dose
- e) all of above

883. Zero order kinetics at a higher dose is seen with:

Variants of answer:

- a) phenytoin
- b) heparin
- c) probenecid
- d) lithium
- e) atenolol

884. On higher doses zero order kinetics is seen:

Variants of answer:

- a) phenytoin
- b) propranolol
- c) lithium
- d) probenecid
- e) none

885. Pharmacogenetics is associated with:

Variants of answer:

- a) variability of enzyme action
- b) environmental influence
- c) individual variability in oral absorption
- d) different mechanism of actions in different individuals
- e) different DRC in different individual

886. All are pharmacogenetic conditions, except:

Variants of answer:

- a) G-6-PD deficiency
- b) warfarin sensitivity
- c) malignant hypothermia
- d) adenosine deaminase deficiency
- e) pseudocholinesterase deficiency

887. New drug study and development can be done by:

Variants of answer:

- a) pharmacogenetics
- b) molecular modelling
- c) pharmaco library
- d) neo pharmacy
- e) pharmaco economics

888. All are pharmacogenetic conditions, except:

Variants of answer:

- a) adenosine deaminase deficiency
- b) malignant hyperpyrexia
- c) coumarin insensitivity
- d) G6PD deficiency
- e) pseudocholinesterase deficiency

889. True about teratogenicity of a drug is all, except:

Variants of answer:

- a) it is genetically predetermined
- b) environment influences it
- c) related to the dose of the teratogenic drug
- d) affects specifically at a particular phase of development of fetus
- e) penetrate through the placental barrier

890. A child complains of nocturnal enuresis. The drug given to treat this is:

Variants of answer:

- a) imipramine
- b) clomipramine
- c) fluoxetine
- d) haloperidol
- e) carbamazepine

891. An idiopathic epileptic patient is on phenytoin and tricyclic antidepressant. He becomes easily fatigued and lethargic. His Hb 8.2 gm%, TLC 9600 cmm. Serum bilirubin 0.6, SGPT 25 IU/lit. The next investigation done is:

Variants of answer:

- a) MCV
- b) gamma glutamyl transferase assay
- c) chest X-ray
- d) urine culture
- e) level of glucose

892. A patient ingested some unknown substance and presented with myoclonic jerks seizures, tachycardia and hypotension. The ECG showed a heart rate of 120/minute with QRS interval of 0.16 seconds. The atrial blood revealed a pH of 7.25, PCO₂ of 30 mmHg and HCO₃ of 15 mmol/L. The most likely cause of poisoning is ingestion of:

Variants of answer:

- a) amantadine
- b) ethylene glycol
- c) imipramine
- d) phencyclidine
- e) digoxin

893. Dry mouth during antidepressant therapy is caused by blockade of:

Variants of answer:

- a) muscarinic acetylcholine receptors
- b) serotonergic receptors
- c) dopaminergic receptors
- d) GABA receptors
- e) adrenaline receptors

894. All the following displace Imipramine from protein binding sites, except:

Variants of answer:

- a) aspirin
- b) propranolol
- c) glibenclamide
- d) lithium
- e) amoxicillin

895. Carbamazepine is NOT used in:

Variants of answer:

- a) mania
- b) partial seizure
- c) trigeminal neuralgia
- d) migraine

e) alcohol withdrawal syndrome

896. Regarding adverse reaction of anti convulsants, all are true, except:

Variants of answer:

- a) phenobarbitone - CVS defect
- b) carbamazepine - breech presentation
- c) phenytoin - gum hyperplasia
- d) sodium valproate neural tube defect
- e) lamotrigine- hepatotoxic

897. Which of the following is not an antiepileptic agent:

Variants of answer:

- a) phenytoin
- b) topiramate
- c) flunarizine
- d) carbamazepine
- e) lamotrigine

898. Which statement is true about carbamazepine?

Variants of answer:

- a) used in trigeminal neuralgia
- b) carbamazepine is an enzyme inhibitor
- c) can cause megaloblastic anemia
- d) it is the drug of choice for status epilepticus
- e) used in epilepsy

899. All of the following statements are true about nitrates, except:

Variants of answer:

- a) it releases NO
- b) it causes vasodilatation
- c) it decreases A.V. conduction
- d) it has high first pass metabolism
- e) it decreases preload, afterload

900. The Nitrate which does not undergo first pass metabolism is:

Variants of answer:

- a) isosorbide mononitrate
- b) nitroglycerine
- c) pentaerythritol tetranitrate
- d) isosorbide dinitrate
- e) none

901. First pass metabolism is seen in:

Variants of answer:

- a) lidocaine

- b) propranolol
- c) salbutamol
- d) dipyridamol
- e) erythromycin

902. Causes for less bioavailability:

Variants of answer:

- a) high first pass metabolism
- b) increased absorption
- c) IV drug administration
- d) high solubility
- e) none

903. All of the following drugs are contraindicated in patients with G-6-PD deficiency, except:

Variants of answer:

- a) co-trimoxazole
- b) furazolidone
- c) nalidixic acid
- d) ceftriaxone
- e) all of above

904. All of the following can cause hemolytic anaemia in G-6 PD deficiency, except:

Variants of answer:

- a) primaquine
- b) sulphonamide
- c) penicillin
- d) aspirin in large dosage
- e) all of above

905. Drugs avoided in G -6 PD deficiency pt:

Variants of answer:

- a) chloramphenicol
- b) quinidine
- c) nitrofurantoin
- d) dapsone
- e) streptomycin

906. In G-6-P-D- deficiency, which drug does not cause hemolysis:

Variants of answer:

- a) rifampicin
- b) primaquine
- c) furazolidone
- d) co-trimoxazole

e) all of above

907. All are short and rapid acting insulins, except:

Variants of answer:

- a) lispro
- b) aspart
- c) glargine
- d) glulisine
- e) chumulin P

908. All of the following hormones have cell surface receptors, except:

Variants of answer:

- a) adrenalin
- b) growth hormone
- c) insulin
- d) thyroxine
- e) none

909. True about Lispro-Insulin:

Variants of answer:

- a) action is faster and short in duration than regular insulin
- b) it is given 15 minutes prior to meal
- c) source is lamb
- d) action is faster and long in duration than regular insulin
- e) duration is 1 hour

910. Newer insulins are:

Variants of answer:

- a) acidic
- b) alkaline
- c) neutral
- d) monomers
- e) isomers

911. Local anaesthetic which does NOT cause vasodilation:

Variants of answer:

- a) lidocaine
- b) cocaine
- c) bupivacaine
- d) tetracaine
- e) novocaine

912. Which of the following is NOT an amide:

Variants of answer:

- a) procaine

- b) lignocaine
- c) bupivacaine
- d) mepivacaine
- e) articaine

913. Local anaesthetics act by inhibiting:

Variants of answer:

- a) influx of K⁺
- b) efflux of K⁺
- c) influx of Na⁺
- d) efflux of Na⁺
- e) efflux of Cl⁻

914. Which of the following is NOT an amide:

Variants of answer:

- a) lidocaine
- b) procaine
- c) mepivacaine
- d) dibucaine
- e) articaine

915. Treatment of choice of acute migraine is:

Variants of answer:

- a) ergotamine
- b) sumatriptan
- c) propranolol
- d) paracetamol
- e) bisoprolol

916. Use of Ergotamine is contraindicated in:

Variants of answer:

- a) diabetes mellitus
- b) anemia
- c) ischaemic heart disease
- d) PPH (Postpartum haemorrhage)
- e) migraine

917. Prophylaxis of migraine is/are:

Variants of answer:

- a) flunarizine
- b) cinnarizine
- c) β blocker
- d) sodium valproate
- e) carbamazepine

918. Triptans in migraine acts on which receptor:

Variants of answer:

- a) 5HT1A
- b) 5 HT 1B/1D
- c) 5HT1F
- d) 5HT3
- e) 5HT4

919. All of the following drugs are used in pheochromocytoma, except:

Variants of answer:

- a) prazosin
- b) metyrosine
- c) atenolol
- d) Na nitroprusside
- e) doxazosin

920. The following drugs cause hypertensive crisis in phaeochromocytoma, except:

Variants of answer:

- a) phenoxybenzamine
- b) propranolol
- c) saralasin
- d) captopril
- e) prazosin

921. Which of the following is not given in a patient with pheochromocytoma:

Variants of answer:

- a) atenolol
- b) prazosin
- c) nitroprusside
- d) metyrosine
- e) terazosine

922. All of the following are useful intravenous therapy for hypertensive emergencies, except:

Variants of answer:

- a) fenoldopam
- b) urapidil
- c) enalapril
- d) nifedipine
- e) perindopril

923. All of the following can precipitate porphyria, except:

Variants of answer:

- a) steroids
- b) griseofulvin

- c) estrogen
- d) penicillin
- e) none

924. In which of the following disorders is administration of barbiturates contraindicated in:

Variants of answer:

- a) anxiety disorders
- b) acute intermittent porphyria
- c) kernicterus
- d) refractive status epilepticus
- e) gastritis

925. A young lady on OCP develops severe abdominal pain and frank psychosis.

Most likely cause is:

Variants of answer:

- a) hysteria
- b) porphyria
- c) thrombosis
- d) mesenteric infarct
- e) ulcer

926. In porphyria drugs safe are:

Variants of answer:

- a) barbiturate
- b) ketamine
- c) sodium valproate
- d) midazolam
- e) pethidine

927. Drugs which act by intercalating with DNA:

Variants of answer:

- a) actinomycin D
- b) tetracycline
- c) bleomycin
- d) doxorubicin
- e) azitromycin

928. Anticancer antibiotic:

Variants of answer:

- a) vancomycin
- b) actinomycin D
- c) bleomycin
- d) mithramycin
- e) midecamycin

929. The antibiotic that inhibits protein synthesis by premature chain termination and which structurally resembles an aminoacyl t-RNA is:

Variants of answer:

- a) tetracycline
- b) chloramphenicol
- c) puromycin
- d) erythromycin
- e) none

930. BAL (British Anti-Lewisite) is useful in treating poisoning due to all, except?

Variants of answer:

- a) lead
- b) organic mercury
- c) cadmium
- d) arsenic
- e) chloride

931. Drug containing two sulfhydryl groups in a molecule:

Variants of answer:

- a) BAL (British Anti-Lewisite)
- b) EDTA
- c) pencillamine
- d) none of the above
- e) all of above

932. Which of the following is correctly matched:

Variants of answer:

- a) dimercaprol: iron
- b) calcium disodium edta: arsenic
- c) penicillamine: copper
- d) desferrioxamine: lead
- e) flumazenil: barbiturate

933. Pain is caused by injection of:

Variants of answer:

- a) ketamine
- b) methohexitone
- c) di-isopropyl alcohol
- d) thiopentone
- e) heparin

934. The mechanism of action of barbiturate on cerebrum is:

Variants of answer:

- a) scavenger of radicles

- b) increase BMR in active area of brain
- c) acts on Cl-channel complex
- d) decrease intracranial pressure
- e) activate muscarinic receptors

935. Short 1/2 life of thiopentone is due to:

Variants of answer:

- a) rapid excretion
- b) rapid redistribution
- c) rapid metabolism
- d) all of the above
- e) rapid absorption

936. All of the following statements are true, except:

Variants of answer:

- a) PCs and leukotrienes are derived from arachidonic acid
- b) cox I is an inducible enzyme
- c) cox II is induced by cytokines at sites of inflammation
- d) leukotrienes cause smooth ms. Constriction
- e) thromboxane A₂ is produced due to cox I

937. COX pathway is inhibited by:

Variants of answer:

- a) aspirin
- b) indomethacin
- c) betamethasone
- d) calcitonin
- e) diclofenac

938. Which is a selective cyclo-oxygenase-2 inhibitor:

Variants of answer:

- a) ketorolac
- b) tolmetin
- c) nabumetone
- d) oxaprozin
- e) aspirin

939. Drugs useful for treatment of H.pylori are:

Variants of answer:

- a) bismuth sulphate
- b) tetracycline
- c) metronidazole
- d) ranitidine
- e) albendazole

940. Drug not used in *H. pylori*:

Variants of answer:

- a) metronidazole
- b) omeprazole
- c) mosapride
- d) amoxicillin
- e) tetracycline

941. All drugs can be used in the treatment of *H. Pylori* infection, except:

Variants of answer:

- a) omeprazole
- b) metronidazole
- c) amoxicillin
- d) mosapride
- e) tetracycline

942. Which of the following is least likely to cause interstitial nephritis on chronic use:

Variants of answer:

- a) methicillin
- b) cephalothin
- c) heparin
- d) ampicillin
- e) cephalexin

943. Interstitial nephritis is most commonly seen with:

Variants of answer:

- a) methicilline
- b) ampicilline
- c) amoxycilline
- d) cloxacilline
- e) vancomycine

944. Drug induced interstitial nephritis caused by:

Variants of answer:

- a) methicillin
- b) cloxacillin
- c) azlocillin
- d) piperacillin
- e) amoxicillin

945. Diagnosis of Myasthenia Gravis is by using:

Variants of answer:

- a) edrophonium
- b) neostigmine

- c) succinylcholine (SCh)
- d) atropine
- e) platiphylline

946. Test for myasthenia gravis is:

Variants of answer:

- a) succinylcholine
- b) edrophonium
- c) alracurium
- d) d-Tubocurarine
- e) flumazenil

947. Agent used as a diagnostic test for myastheniagravis:

Variants of answer:

- a) phentolamine
- b) edrophonium
- c) echothiophate
- d) glucagon
- e) insulin

948. One of the following is not true about nesiritide:

Variants of answer:

- a) it is a brain natriuretic peptide analogue
- b) it is used in actually decompensated heart failure
- c) it has significant oral absorption
- d) it has a short half-life
- e) acts on adrenergic receptors

949. Nestritide is a:

Variants of answer:

- a) brain natriuretic peptide analogue
- b) endothelin R antagonist
- c) Gp IIb / IIIa antagonist
- d) TNF alpha antagonist
- e) ADP receptors blocker

950. Mechanism of action of pralidoxime is:

Variants of answer:

- a) direct activation of cholinergic receptors
- b) reactivation of cholinesterase
- c) inactivation of cholinesterase
- d) inhibition of acetyl choline
- e) ADP receptors blocker

951. Pralidoxime acts by:

Variants of answer:

- a) reactivating cholinesterase enzyme
- b) promoting synthesis of cholinesterase
- c) promoting synthesis of acetylcholine
- d) direct action on cholinergic receptors
- e) ADP receptors blocking

952. Which of the following is paired incorrectly?

Variants of answer:

- a) hemicholinium :prevents the release of Ach,from storage vesicle
- b) botulinum, increase the Ach release
- c) pralidoxime reactivates acetylcholine esterase
- d) vesamicol inhibit the uptake of choline
- e) organophosphorous inhibits acetyl- cholinesterase

953. All of the following are hormonal agents used against breast cancer, except:

Variants of answer:

- a) letrozole
- b) exemestane
- c) taxol
- d) tamoxifen
- e) cisplatin

954. True of tamoxifen:

Variants of answer:

- a) binds to estrogen receptors
- b) estrogen production
- c) iFSH production
- d) TLH secretion
- e) inhibit adrenal glands

955. Women receiving Tamoxifen should be periodically screened with:

Variants of answer:

- a) mammography
- b) PAP smear
- c) Ca-125 level
- d) endometrial sampling
- e) bones

956. In a patient of known prolonged congenital QT syndrome and intermittent Torsade-de-pointes, which of the following should be prescribed?

Variants of answer:

- a) magnesium sulphate
- b) metoprolol
- c) cardiac pacing

- d) isoprendine
- e) nifedipine

957. Drug implicated for prolonging QT interval in a premature baby is:

Variants of answer:

- a) domperidone
- b) metoclopramide
- c) cisapride
- d) omeprazole
- e) nifedipine

958. Antlarrhythmic drugs causing torsades polntes are:

Variants of answer:

- a) quinidine
- b) dysopyramide
- c) procainamide
- d) lidocaine

959. Antimitotic drugs of plant source is/are:

Variants of answer:

- a) vincristine
- b) isotretinoin
- c) bleomycine
- d) methotrexate
- e) none

960. Metaphase arrest is caused by:

Variants of answer:

- a) griseofulvin
- b) vincristine
- c) paclitaxel
- d) colchichine
- e) etoposide

961. Which one of the following statements is false regarding vincristine:

Variants of answer:

- a) it is an alkaloid
- b) its use is associated with neurotoxicity
- c) it does not cause alopecia
- d) it is a useful drug for induction of remission in acute lymphoblastic leukaemia
- e) all of above

962. Most common side effect of 5-Fluorouracil is:

Variants of answer:

- a) G.I toxicity

- b) bone marrow depression
- c) cardiotoxicity
- d) neurotoxicity
- e) nephrotoxicity

963. Mucositis is caused by:

Variants of answer:

- a) 5-FU
- b) methotrexate
- c) paclitaxel
- d) cisplatin
- e) etoposide

964. Which of the following statements is False about Acyclovir:

Variants of answer:

- a) it inhibits DNA synthesis and viral replication
- b) it is effective against influenza
- c) it has low toxicity for host cells
- d) renal impairment necessitates dose reduction
- e) it acts against herpes virus

965. Mechanism of Acyclovir resistance:

Variants of answer:

- a) thymidine kinase
- b) DNA - dependent RNA polymerase
- c) spectrum
- d) side effects
- e) low activity

966. Drug causing hypercoagulability is:

Variants of answer:

- a) L asparaginase
- b) busulfan
- c) melphalan
- d) 5FU
- e) aminocaproic acid

967. Pancreatitis is a known side effect with administration of:

Variants of answer:

- a) L-Asparaginase
- b) corticosteroid
- c) cyclophosphamide
- d) vincristine
- e) bisoprolol

968. Bisphosphonates act by:

Variants of answer:

- a) increasing the osteoid formation
- b) increasing the mineralization of osteoid
- c) decreasing the osteoclast mediated resorption of bone
- d) decreasing the parathyroid hormone secretion
- e) decreasing the osteoid formation

969. Bisphosphonates are used in all of the following conditions, except:

Variants of answer:

- a) post menopausal osteoporosis
- b) steroid induced osteoporosis
- c) hypervitaminosis D
- d) malignancy associated Hypercalcemia
- e) all of above

970. Which of the following antibiotics is an antitumour peptide?

Variants of answer:

- a) bleomycin
- b) doxorubicin
- c) vancomycin
- d) L-Asparaginase
- e) teicoplanin

971. A 35 year old patient has Ca lung, with a past history of lung disease. Which drug should not be given:

Variants of answer:

- a) bleomycin
- b) vinblastin
- c) mithramycin
- d) adriamycin
- e) methotrexate

972. Mechanism of action of chloramphenicol is:

Variants of answer:

- a) preventing binding of t RNA to ribosome
- b) polypeptide elongation
- c) protein chain elongation
- d) inhibiting cell wall synthesis
- e) inhibiting ribosomes

973. Mechanism of action of Chloramphenicol:

Variants of answer:

- a) binds to 50S subunit
- b) prevents chain elongation

- c) misreading of DNA
- d) binds to nuclear proteins
- e) inhibiting ribosomes

974. The commonest side -effect of Cisapride is:

Variants of answer:

- a) abdominal cramps
- b) diarrhea
- c) headache
- d) convulsions
- e) ulcer

975. All are examples of gastro-kinetic drugs, except:

Variants of answer:

- a) cisapride
- b) domperidone
- c) erythromycin
- d) none
- e) motilium

976. Clindamycin acts by inhibiting:

Variants of answer:

- a) cell wall synthesis
- b) protein synthesis
- c) cell membrane synthesis
- d) glucose utilization
- e) inhibiting ribosomes

977. Clindamycin acts by inhibiting:

Variants of answer:

- a) protein synthesis
- b) DNAGyrase
- c) cell wall synthesis
- d) lysosomal enzyme
- e) ribosomes

978. Mechanism of action of Clomiphene Citrate is:

Variants of answer:

- a) binds to estrogen receptors & causes negative feedback at hypothalamus
- b) binds estrogen receptors & prevents negative feed back at hypothalamus
- c) binds to progesterone receptors
- d) progesterone agonist
- e) progesterone antagonist

979. Which of the following is an aromatase inhibitor?

Variants of answer:

- a) tamoxifen
- b) letrozole
- c) danazol
- d) taxane
- e) clozapine

980. All are side effects of Clozapine, except:

Variants of answer:

- a) granulocytopenia
- b) seizures
- c) sedation
- d) extrapyramidal side effects
- e) dry mouth

981. The major difference between typical and atypical antipsychotics is that:

Variants of answer:

- a) the latter cause minimal or no increase in prolactin
- b) the former cause tardive dyskinesia
- c) the former are available as parenteral preparations
- d) the latter cause substantial sedation
- e) the latter have IV administration

982. Pupil fails to dilate by giving cocaine in:

Variants of answer:

- a) central sympathetic paralysis
- b) central parasympathetic paralysis
- c) peripheral parasympathetic paralysis
- d) peripheral sympathetic paralysis
- e) none

983. A drug addict was caught hold of by narcotic drug addiction department. He was found to have jet black tongue and teeth. Likely drug addiction is of:

Variants of answer:

- a) diazepam
- b) (cannabis) charas
- c) cocaine
- d) heroin
- e) morphine

984. In a chronic alcoholic patient all of the following drugs should be avoided, except:

Variants of answer:

- a) cefamendole
- b) metronidazole

- c) chlorpropamide
- d) beclomethasone
- e) none

985. Drug used to prevent from indulging in alcoholism in one who has abstinence from alcohol:

Variants of answer:

- a) clonidine
- b) disulfiram
- c) chlordiazepoxide
- d) nakrexone
- e) acamprosate

986. Ganciclovir is used in treatment of:

Variants of answer:

- a) adenovirus
- b) cytomegalovirus
- c) EB virus
- d) arenavirus
- e) virus of flu

987. Treatment of chorioretinitis in AIDS pt:

Variants of answer:

- a) valaciclovir
- b) ganciclovir
- c) rivabirin
- d) amantadine
- e) cidofovir

988. The following drug acts by hypomethylation:

Variants of answer:

- a) gemcitabine
- b) capecitabine
- c) decitabine
- d) cytosine arabinoside
- e) gemfibrosil

989. Gemcitabine is effective in:

Variants of answer:

- a) head and neck cancers
- b) pancreatic cancer
- c) small-cell lung cancer
- d) soft tissue sarcoma
- e) none

990. Not used in erectile dysfunction?

Variants of answer:

- a) PGE-2
- b) vardenafil
- c) phenylephrine
- d) alprostadil
- e) avanafil

991. The following drugs may be used in erectile dysfunction, except:

Variants of answer:

- a) phenylephrine
- b) apomorphine
- c) alprostadil
- d) PGE1 analogues
- e) avanafil

992. Methyl alcohol poisoning; true about:

Variants of answer:

- a) ethyl alcohol is used
- b) formation of formic acid produces blindness
- c) activated charcoal is given in all cases
- d) gastric lavage done
- e) fomepizole inhibits the formation of formic acid

993. An unconscious man is brought into hospital suffering from methyl alcohol poisoning. All of the following are correct, except:

Variants of answer:

- a) Kussmaul's breathing could be expected to be a feature of the condition
- b) papilloedema would be consistent with this form of intoxication
- c) his plasma bicarbonate might be very low
- d) methyl alcohol would be metabolised to acetaldehyde
- e) none

994. Which of the following is not true about Mebendazole:

Variants of answer:

- a) safe in pregnancy
- b) broad spectrum antihelminthic
- c) relatively low systemic bioavailability
- d) active against both larva and adult worm
- e) acts against hook worm

995. Best drug for anaerobic Infection:

Variants of answer:

- a) metronidazole
- b) imipenem

- c) aztreonam
- d) clotrimazole
- e) vancomycin

996. Inhaled nitric oxide is used:

Variants of answer:

- a) for stabilizing systemic haemodynamics
- b) in case of jaundice
- c) to prevent CNS complication
- d) for reducing pulmonary hypertension
- e) for prevention of atherosclerosis

997. Drug which increases Nitric Oxide are all, except:

Variants of answer:

- a) glycerine trinitrate
- b) hydralazine
- c) sodium nitroprusside
- d) fenoldopam
- e) isosorbide dinitrate

998. Drug used in obesity is:

Variants of answer:

- a) orlistat
- b) sibutramine
- c) omeprazol
- d) indapamide
- e) furosemide

999. The following drugs are used in obesity, except:

Variants of answer:

- a) orlistat
- b) sibutramine
- c) olestra
- d) neuropeptide Y agonist
- e) metformin

1000. N-acetyl Cysteine is an antidote for poisoning due to:

Variants of answer:

- a) paracetamol
- b) datura
- c) aspirin
- d) propranolol
- e) morphine

1001. A 20 year old female weighing about 55 kg is admitted to an emergency department having consumed 10 g of paracetamol (acetaminophen), together with alcohol, 6 hours earlier. A Serum paracetamol level is reported as 400 micrograms/ml. Which one of the following is correct in this case?

Variants of answer:

- a) gastric lavage is mandatory
- b) administration of activated charcoal
- c) abnormalities of Kidney function are likely to be present
- d) hepatotoxicity is likely to occur
- e) bad absorption

1002. Pentostatin acts by inhibiting:

Variants of answer:

- a) RNA dependent DNA polymerase enzyme
- b) aldolase enzyme
- c) adenosine deaminase enzyme
- d) adenyl cyclase enzyme
- e) ribosomes

1003. Dextran is a good plasma expander, but it has disadvantage of:

Variants of answer:

- a) blood group matching
- b) causes thrombocytopenia
- c) microcirculation formation
- d) promote rouleaux
- e) none

1004. About plasma expanders all are true, except:

Variants of answer:

- a) dextran interferes with platelet aggregation
- b) albumin is have 69 AA
- c) half-life of albumin-13 hours
- d) amylopectin
- e) albumin indicates in ascites

1005. Which one of the following is used in therapy of Toxoplasmosis?

Variants of answer:

- a) artesunate
- b) thiacetazone
- c) ciprofloxacin
- d) pyrimethamine
- e) doxycycline

1006. Drug used in Toxoplasmosis is:

Variants of answer:

- a) pyrimethamine
- b) ribovarin
- c) ganciclovir
- d) tetracycline
- e) ciprofloxacin

1007. Antiviral agent of choice in a child with bronchiolitis:

Variants of answer:

- a) vidarbin
- b) ribavirin
- c) acyclovir
- d) amantadine
- e) acyclovir

1008. Aerosolized ribavirin Is used In the treatment of bronchiolitis with:

Variants of answer:

- a) RSV
- b) H. influenza
- c) pneumococcus
- d) streptococcus
- e) meningococcus

1009. Which of the following is the drug of choice for Syndrome of Inappropriate Secretion of Antidiuretic Hormone (SIADH)?

Variants of answer:

- a) demeclocycline
- b) vasopressin
- c) thiazide diuretic
- d) chlorpropamide
- e) furosemide

1010. SIADH is caused by all, except:

Variants of answer:

- a) vincristine
- b) vinblastine
- c) actinomycin D
- d) cyclophosphamide
- e) none

1011. A new born developed cleft lip and cleft palate and atrial septal defect. Which of the following drug is likely to be consumed by the mother so as to cause such type of congenital anomalies:

Variants of answer:

- a) digoxin
- b) methanol

- c) ACE Inhibitors
- d) isotretinoin
- e) amoxicillin

1012. Excessive intake (hypervitaminosis) of which of the following vitamin is associated with increased risk of congenital malformations:

Variants of answer:

- a) vitamin-A
- b) biotin
- c) folic acid
- d) vitamin-K
- e) vitamin B1

1013. All of the following statements about an alpha- glucosidase inhibitor are true, except:

Variants of answer:

- a) reduces intestinal absorption of carbohydrates
- b) effective in both type 1 & 2 diabetes
- c) hypoglycemia is a common & serious side effect
- d) can be used with other oral Hypoglycemic agents
- e) the drug is acarboza

1014. In antibiotic associated colitis, organism involved is:

Variants of answer:

- a) clostridium difficile
- b) pseudomonas
- c) staphylococcus
- d) enterococcus
- e) streptococcus

1015. Free radical scavengers are:

Variants of answer:

- a) vit-C
- b) vit-E
- c) vit-A
- d) glutathione
- e) iron

1016. A 50 year old male suffering from renal failure, underwent kidney transplant. He was prescribed a nucleotide derivative following the organ transplant The nucleotide derivative of therapeutic importance in this organ transplant is:

Variants of answer:

- a) azathioprine
- b) 5-fluorouracil

- c) cytarabine
- d) allopurinol
- e) methotrexate

1017. Bacitracin acts on:

Variants of answer:

- a) cell wall
- b) cell membrane
- c) nucleic acid
- d) ribosome
- e) enzyme

1018. Chemical debridement:

Variants of answer:

- a) benzoic acid
- b) EDTA
- c) boric acid
- d) all of above
- e) none

1019. Bostentan is a:

Variants of answer:

- a) serotonin uptake inhibitor
- b) endothelin receptor antagonist
- c) leukotriene modifier
- d) calcium sensitizer
- e) bradikinin inhibitor

1020. Which of the following does not bind to GABA receptor chloride channels?

Variants of answer:

- a) ethanol
- b) alphaxolone
- c) zolpidem
- d) buspirone
- e) benzodiazepins

1021. If a diabetic patient being treated with an oral hypoglycemic agent, develops dilutional hyponatremia - which one of the following could be responsible for this effect:

Variants of answer:

- a) chlorpropamide
- b) tolazamide
- c) glyburide
- d) glimepiride
- e) none

1022. All of the following are true about competitive inhibitors except:

Variants of answer:

- a) resembles chemically with the agonist
- b) bind the same receptors
- c) reduces potency
- d) maximum level is not reached by increasing the concentration of the drug
- e) all of above

1023. Difference between action of DEC (Diethylcarbamazine) and Ivermectin in a case of scrotal filariasis is:

Variants of answer:

- a) DEC acts more effectively on microfilariae than Ivermectin
- b) DEC acts only on microfilariae and Ivermectin acts only on adults
- c) DEC acts on both microfilariae and adults while Ivermectin acts on adults only
- d) DEC acts on adults and ivermectin on microfilariae
- e) DEC acts more effectively on Ivermectin than microfilariae

1024. The most appropriate drug used for chelation therapy in beta thalassemia major is:

Variants of answer:

- a) oral desferrioxamine
- b) oral deferiprone
- c) intramuscular EDTA
- d) oral succimer
- e) unithiol

1025. Which of the following drugs is known to cause vaginal adenocarcinoma in female offspring when given to a pregnant woman:

Variants of answer:

- a) chlorpropamide
- b) progesterone
- c) diethylstilbestrol
- d) chloramphenicol
- e) clozapine

1026. About diphtheria true is:

Variants of answer:

- a) capsulated bacteria causes infection
- b) ratio of carriers and clinical cases is one
- c) gram positive and motile
- d) lysogenic phase causes disease
- e) it is gram-

1027. Filgrastim is used in treatment of:

Variants of answer:

- a) anemia
- b) neutropenia
- c) malaria
- d) filarial
- e) thromboembolism

1028. The primary mechanism of action of fluoride on topical application is:

Variants of answer:

- a) conversion of hydroxyapatite to fluoroapatite by replacing the OH⁻ ions
- b) inhibition of plaque bacteria
- c) form a reservoir in saliva
- d) improvement in tooth morphology
- e) inhibition of bacillus anthracis

1029. Antidote for Ethylene glycol poisoning:

Variants of answer:

- a) methyl violet
- b) fluconazole
- c) fomepizole
- d) ethyl alcohol
- e) flumazenil

1030. Receptor mediation is not seen in:

Variants of answer:

- a) alcohol
- b) antipsychotic
- c) general anesthesia
- d) benzodiazepam
- e) propofol

1031. A diabetic patient developed cellulitis due to staphylococcus aureus, which was found to be Methicillin resistant on the antibiotic sensitivity testing. All the following antibiotics will be appropriate, except:

Variants of answer:

- a) vancomycin
- b) imipenem
- c) teichoplanin
- d) linezolid
- e) ceftobiprole

1032. Immunomodulator which is used for genital warts is:

Variants of answer:

- a) podophyllin
- b) imiquimod

- c) prednisolone
- d) IFN
- e) NSAIDS

1033. Interferon is used in treatment of all, except:

Variants of answer:

- a) chronic myeloid leukemia
- b) polymyositis
- c) hairy cell leukemia
- d) hepatitis C
- e) nausea

1034. Which one of the following drugs is 'Topoisomerase 1 inhibitor'?

Variants of answer:

- a) doxorubicin
- b) irinotecan
- c) etoposide
- d) vincristine
- e) methotrexate

1035. Ketanserin is:

Variants of answer:

- a) 5 HT₂ reuptake blocker
- b) antipsychotic
- c) useful in movement disorder
- d) antitussive
- e) MAO inhibitor

1036. All are true regarding Ketorolac, except:

Variants of answer:

- a) respiratory depression is a side effect
- b) more potent than aspirin
- c) effect is prolonged
- d) this is an analgesic
- e) central action

1037. Dose of Ketotifen is:

Variants of answer:

- a) 1-2 mg/d OD
- b) 10 mg/V
- c) 5-10 mgBD ORAL
- d) none of the above
- e) 30 mg

1038. Mechanism of action of Lanatoprost in glaucoma is:

Variants of answer:

- a) increase uveoscleral flow of aqueous
- b) trabecular absorption is increased
- c) decreases aqueous formation
- d) unknown
- e) none

1039. True about lactulose is:

Variants of answer:

- a) blood ammonia
- b) 10% absorbed from gut
- c) osmotic laxative
- d) disaccharide of lactose and sucrose
- e) indicate in liver encephalopathy

1040. Which of the following drug Is NOT used to treat Leishmaniasis:

Variants of answer:

- a) cyclosporine
- b) ketoconazole
- c) pentamidine
- d) amphotericin B
- e) miltepasone

1041. Mg⁺⁺ administered in:

Variants of answer:

- a) AV block
- b) cardiac arrhythmia
- c) syncope
- d) constipation
- e) ulcer

1042. Milk-Alkali syndrome may be caused by ingestion of:

Variants of answer:

- a) calcium-carbonate
- b) magnesium sulphate
- c) aluminium trisilicate
- d) aluminium hydroxide
- e) ammonium chloride

1043. Which of the following chemotherapeutic drugs has selective action on hypoxic tumor cells:

Variants of answer:

- a) mitomycin C
- b) cisplatin
- c) doxorubicin

- d) 5-fluorouracil
- e) teicoplanin

1044. Amatoxins in mushroom poisoning acts by inhibiting:

Variants of answer:

- a) DNA
- b) mRNA
- c) adenosine
- d) G – proteins
- e) ribosomes

1045. A patient has Hepatic Encephalopathy. The drug used of gut sterilization in this patient is:

Variants of answer:

- a) neomycin
- b) netilmycin
- c) bleomycin
- d) none of the above
- e) all

1046. True about Octreotide are all, except:

Variants of answer:

- a) is active orally
- b) suppresses growth hormone secretion
- c) useful for variceal bleeding
- d) useful in secretory diarrhea
- e) none

1047. Regarding oxytocin:

Variants of answer:

- a) secreted by anterior pituitary
- b) acts on myoepithelial cells of breast
- c) causes contraction of uterus during labour
- d) may cause retention of water
- e) has sympatholytic activity

1048. Mechanism of action of paclitaxel is:

Variants of answer:

- a) inhibits DNA synthesis
- b) topoisomerase II inhibitor
- c) inhibition of tubulin
- d) stabilisation of tubules
- e) inhibition of ribosomes

1049. Pentamidine therapy causes all, except:

Variants of answer:

- a) upper lobe infiltrates
- b) cavitation
- c) extrathoracic manifestation
- d) pneumothorax
- e) skin itching

1050. Inhibits mitosis by forming microtubules:

Variants of answer:

- a) vinca alkaloids
- b) docetaxel
- c) etoposide
- d) colchicine
- e) argatroban

1051. In treatment of Papillary Carcinoma thyroid, Radioiodine destroys the neoplastic cells predominantly by:

Variants of answer:

- a) Xrays
- b) β particles
- c) γ -rays
- d) α particles
- e) γ particles

1052. All of the following are advantages of using Raloxifen over estrogen in post menopausal women, except?

Variants of answer:

- a) reduces fracture rates
- b) avoids endometrial hyperplasia
- c) reduces incidence of venous thrombosis
- d) no increase in incidence of breast carcinoma
- e) none

1053. NOT used in scabies?

Variants of answer:

- a) BHC
- b) permethrin
- c) ciclopirox oleamine
- d) crotamiton
- e) all of above

1054. Antidiabetic used safely in renal failure:

Variants of answer:

- a) metformin
- b) glimeperide

- c) glibenclamide
- d) rosiglitazone
- e) repaglinide

1055. Drug of choice of ulcerative colitis is:

Variants of answer:

- a) 5 Amino salicylic acid
- b) sucralfate
- c) metronidazole
- d) sulfasalazine
- e) co-trimoxazol

1056. All of the following drugs may be used to relieve urinary spasms after urological procedures, except:

Variants of answer:

- a) darifenacin
- b) oxybutynin
- c) tolterodine
- d) tiotropium
- e) none

1057. True about metabolism of vitamin D in kidney is:

Variants of answer:

- a) conversion of 25 to 1, 25 dihydroxy cholecalciferol
- b) formation of 25 hydroxylase
- c) activated form is deactivated
- d) none
- e) soluble in water

1058. Adenosine deaminase inhibitors is:

Variants of answer:

- a) pentostatin
- b) TxA2
- c) cladribine
- d) flumazenil
- e) protamine

1059. All are dihydrofolate reductase antagonists, except:

Variants of answer:

- a) methotrexate
- b) cytosine arabinoside
- c) pentamidine
- d) pyrimethamine
- e) trimetoprim

1060. Dose of drug require no or minor adjustment in renal failure, except:

Variants of answer:

- a) doxycycline
- b) vancomycin
- c) chloramphenicol
- d) clindamycin
- e) none

1061. Mebendazole is used in all, except:

Variants of answer:

- a) cysticercosis
- b) ascariasis
- c) trichuriasis
- d) shistosomiasis
- e) hook worm

1062. Peripheral neuropathy is a side effect of:

Variants of answer:

- a) bleomycin
- b) busulphan
- c) cisplatin
- d) doxorubicin
- e) ampicillin

1063. Digitalis acts in atrial fibrillation by:

Variants of answer:

- a) increasing AV node refractoriness
- b) decreasing atrial contractility
- c) inhibiting Na⁺K⁺ ATPase pump
- d) inhibiting Na⁺ H⁺ ATPase pump
- e) decreasing Na⁺ H⁺ ATPase pump

1064. Antiandrogen is:

Variants of answer:

- a) mifepristone
- b) clomiphene citrate
- c) flutamide
- d) tamoxifen
- e) progesteron

1065. Even in large dosages used in malaria, quinine does not cause toxicity, because:

Variants of answer:

- a) it enters in fat cells
- b) elevated plasma alpha acid glycoprotein

- c) deposited in infected RBC's
- d) excreted rapidly in urine
- e) bad absorption

1066. Hand foot syndrome is an adverse effect of:

Variants of answer:

- a) 5-Fluorouracil
- b) bleomycin
- c) etoposide
- d) actinomycin D
- e) vancomycin

1067. Drug excretion through kidney depends on all, except:

Variants of answer:

- a) high blood flow in kidney
- b) molecular weight of drug
- c) lipid solubility of drug
- d) plasma protein binding of drug
- e) water solubility of drug

1068. Drug causing least physical dependence is:

Variants of answer:

- a) alprazolam
- b) fluoxetine
- c) dextropropoxyphene
- d) pentazocine
- e) morphine

1069. Haemorrhagic cystitis is caused by:

Variants of answer:

- a) cyclophosphamide
- b) cyclosporine
- c) bleomycin
- d) cisplatin
- e) methotrexate

ANSWERS

№ question	Correct answers	№ question	Correct answers	№ question	Correct answers	№ question	Correct answers
1	c	39	d	77	a	115	b
2	a	40	a	78	c	116	b
3	a	41	b	79	c	117	a
4	b	42	d	80	a	118	a
5	d	43	e	81	a	119	c
6	c	44	c	82	b	120	b
7	a	45	a	83	b	121	c
8	c	46	b	84	b	122	b
9	a	47	d	85	b	123	b
10	a	48	b	86	b	124	c
11	d	49	c	87	b	125	a
12	c	50	a	88	b	126	c
13	b	51	d	89	a	127	d
14	a	52	a	90	c	128	b
15	d	53	b	91	c	129	b
16	c	54	a	92	a	130	b
17	a	55	c	93	d	131	b
18	b	56	b	94	a	132	d
19	c	57	a	95	a	133	a
20	c	58	b	96	d	134	a
21	a	59	b	97	d	135	a
22	b	60	b	98	a	136	b
23	b	61	b	99	d	137	a
24	c	62	b	100	a	138	e
25	b	63	d	101	a	139	b
26	a	64	a	102	b	140	a
27	a	65	b	103	c	141	a
28	a	66	c	104	a	142	a
29	a	67	a	105	b	143	a
30	d	68	c	106	d	144	b
31	e	69	b	107	a	145	a
32	b	70	c	108	b	146	a
33	a	71	a	109	d	147	a
34	a	72	a	110	b	148	a
35	a	73	b	111	a	149	b
36	b	74	c	112	a	150	d
37	a	75	b	113	a	151	d
38	a	76	e	114	a	152	c

№ question	Correct answers	№ question	Correct answers	№ question	Correct answers	№ question	Correct answers
153	a	193	a	233	b	273	d
154	c	194	a	234	b	274	b
155	a	195	d	235	a	275	a
156	c	196	a	236	a	276	a
157	c	197	a	237	b	277	c
158	a	198	b	238	a	278	c
159	d	199	a	239	a	279	a
160	b	200	a	240	b	280	a
161	d	201	d	241	d	281	b
162	b	202	a	242	b	282	a
163	b	203	b	243	c	283	b
164	a	204	c	244	d	284	b
165	d	205	d	245	a	285	a
166	a	206	d	246	a	286	a
167	a	207	b	247	c	287	a
168	a	208	a	248	c	288	b
169	b	209	b	249	b	289	a
170	b	210	a	250	b	290	a
171	a	211	d	251	a	291	c
172	b	212	c	252	c	292	a
173	b	213	d	253	a	293	d
174	d	214	b	254	b	294	a
175	a	215	a	255	d	295	d
176	c	216	d	256	a	296	a
177	b	217	d	257	a	297	c
178	b	218	a	258	c	298	a
179	b	219	d	259	c	299	a
180	a	220	a	260	a	300	c
181	b	221	c	261	a	301	d
182	d	222	a	262	a	302	d
183	b	223	a	263	a	303	c
184	d	224	a	264	d	304	a
185	a	225	b	265	c	305	a
186	d	226	c	266	a	306	a
187	a	227	d	267	b	307	d
188	a	228	a	268	c	308	d
189	a	229	a	269	a	309	c
190	a	230	a	270	a	310	d
191	d	231	c	271	c	311	c
192	d	232	b	272	b	312	d

№ question	Correct answers	№ question	Correct answers	№ question	Correct answers	№ question	Correct answers
313	d	353	d	393	b	433	a
314	b	354	a	394	b	434	c
315	a	355	d	395	a	435	a
316	a	356	b	396	b	436	a
317	c	357	d	397	a	437	d
318	b	358	a	398	d	438	a
319	d	359	a	399	a	439	c
320	d	360	a	400	a	440	e
321	a	361	b	401	d	441	b
322	b	362	c	402	a	442	c
323	b	363	a	403	b	443	a
324	c	364	b	404	c	444	b
325	a	365	a	405	a	445	b
326	a	366	d	406	b	446	c
327	a	367	b	407	a	447	d
328	c	368	b	408	a	448	d
329	a	369	b	409	d	449	a
330	b	370	c	410	a	450	c
331	d	371	a	411	c	451	a
332	a	372	b	412	b	452	b
333	c	373	d	413	d	453	a
334	c	374	c	414	b	454	d
335	a	375	c	415	a	455	c
336	b	376	d	416	b	456	a
337	b	377	a	417	a	457	a
338	b	378	b	418	d	458	a
339	d	379	a	419	a	459	a
340	a	380	c	420	d	460	b
341	d	381	a	421	a	461	a
342	b	382	a	422	d	462	d
343	d	383	a	423	a	463	a
344	a	384	a	424	d	464	d
345	a	385	d	425	a	465	b
346	a	386	a	426	c	466	b
347	b	387	c	427	b	467	d
348	a	388	c	428	b	468	c
349	b	389	b	429	a	469	d
350	c	390	a	430	b	470	c
351	a	391	a	431	a	471	c
352	d	392	c	432	a	472	c

№ question	Correct answers	№ question	Correct answers	№ question	Correct answers	№ question	Correct answers
473	a	513	c	553	c	593	a
474	b	514	c	554	a	594	b
475	a	515	c	555	d	595	a
476	a	516	a	556	c	596	d
477	a	517	a	557	a	597	d
478	a	518	a	558	a	598	d
479	a	519	c	559	c	599	a
480	b	520	d	560	b	600	a
481	d	521	b	561	c	601	b
482	a	522	d	562	b	602	b
483	b	523	d	563	a	603	c
484	d	524	a	564	a	604	b
485	d	525	c	565	a	605	b
486	c	526	d	566	b	606	c
487	c	527	a	567	b	607	b
488	e	528	b	568	c	608	d
489	b	529	a	569	d	609	a
490	a	530	c	570	d	610	c
491	b	531	d	571	b	611	a
492	a	532	b	572	c	612	c
493	c	533	a	573	c	613	a
494	d	534	d	574	a	614	a
495	a	535	b	575	b	615	d
496	b	536	c	576	d	616	c
497	a	537	a	577	c	617	a
498	b	538	a	578	a	618	a
499	a	539	b	579	b	619	a
500	c	540	a	580	c	620	c
501	c	541	a	581	a	621	e
502	a	542	a	582	c	622	c
503	c	543	a	583	a	623	d
504	a	544	b	584	a	624	b
505	a	545	a	585	a	625	a
506	a	546	a	586	c	626	a
507	a	547	d	587	a	627	b
508	a	548	a	588	a	628	c
509	a	549	b	589	c	629	b
510	a	550	d	590	c	630	d
511	b	551	c	591	a	631	b
512	b	552	a	592	d	632	b

№ question	Correct answers	№ question	Correct answers	№ question	Correct answers	№ question	Correct answers
633	c	673	a	713	d	753	a
634	c	674	a	714	d	754	b
635	a	675	b	715	a	755	b
636	b	676	d	716	a	756	d
637	d	677	b	717	c	757	a
638	d	678	a	718	a	758	a
639	b	679	b	719	b	759	b
640	a	680	b	720	a	760	d
641	a	681	c	721	a	761	b
642	c	682	b	722	b	762	a
643	a	683	b	723	b	763	a
644	b	684	d	724	a	764	a
645	c	685	b	725	a	765	a
646	b	686	a	726	a	766	a
647	c	687	d	727	c	767	c
648	d	688	d	728	a	768	b
649	b	689	b	729	b	769	d
650	b	690	c	730	b	770	b
651	a	691	c	731	c	771	a
652	c	692	b	732	a	772	c
653	a	693	d	733	a	773	a
654	d	694	a	734	d	774	b
655	c	695	b	735	b	775	b
656	a	696	d	736	a	776	a
657	b	697	a	737	b	777	a
658	d	698	b	738	c	778	a
659	d	699	c	739	c	779	c
660	a	700	a	740	c	780	a
661	b	701	a	741	c	781	a
662	a	702	d	742	a	782	b
663	a	703	b	743	a	783	a
664	a	704	a	744	b	784	c
665	a	705	c	745	d	785	c
666	b	706	d	746	b	786	a
667	b	707	a	747	a	787	c
668	c	708	a	748	a	788	a
669	b	709	c	749	b	789	a
670	c	710	b	750	c	790	c
671	a	711	b	751	a	791	b
672	b	712	d	752	c	792	a

№ question	Correct answers	№ question	Correct answers	№ question	Correct answers	№ question	Correct answers
793	a	833	a	873	a	913	c
794	d	834	a	874	a	914	b
795	c	835	c	875	d	915	b
796	b	836	a	876	d	916	c
797	b	837	a	877	b	917	a
798	b	838	b	878	a	918	b
799	d	839	d	879	b	919	c
800	a	840	a	880	a	920	a
801	a	841	a	881	b	921	a
802	a	842	d	882	b	922	d
803	c	843	d	883	a	923	d
804	d	844	d	884	a	924	b
805	a	845	d	885	a	925	b
806	c	846	d	886	d	926	d
807	a	847	d	887	a	927	a
808	d	848	d	888	a	928	b
809	a	849	c	889	a	929	c
810	b	850	c	890	a	930	c
811	a	851	d	891	a	931	a
812	a	852	c	892	c	932	c
813	a	853	a	893	a	933	d
814	b	854	d	894	d	934	c
815	c	855	d	895	d	935	b
816	b	856	b	896	b	936	b
817	a	857	a	897	c	937	a
818	a	858	a	898	a	938	c
819	a	859	a	899	c	939	a
820	c	860	a	900	a	940	c
821	a	861	c	901	a	941	d
822	a	862	a	902	a	942	c
823	b	863	c	903	d	943	a
824	d	864	b	904	c	944	a
825	c	865	c	905	a	945	a
826	c	866	b	906	a	946	b
827	d	867	d	907	c	947	b
828	a	868	b	908	d	948	c
829	b	869	d	909	a	949	a
830	a	870	a	910	c	950	b
831	a	871	a	911	b	951	a
832	a	872	d	912	a	952	a

№ question	Correct answers	№ question	Correct answers	№ question	Correct answers	№ question	Correct answers
953	c	983	c	1013	c	1043	a
954	a	984	d	1014	a	1044	b
955	d	985	b	1015	a	1045	a
956	b	986	b	1016	a	1046	a
957	c	987	b	1017	a	1047	b
958	a	988	c	1018	a	1048	d
959	a	989	b	1019	b	1049	d
960	b	990	c	1020	d	1050	b
961	c	991	a	1021	a	1051	b
962	a	992	a	1022	d	1052	c
963	a	993	d	1023	d	1053	c
964	b	994	a	1024	b	1054	b
965	a	995	a	1025	c	1055	a
966	a	996	d	1026	d	1056	d
967	a	997	d	1027	b	1057	a
968	c	998	a	1028	a	1058	a
969	c	999	d	1029	c	1059	b
970	a	1000	a	1030	c	1060	b
971	a	1001	d	1031	b	1061	d
972	a	1002	c	1032	b	1062	c
973	a	1003	a	1033	b	1063	a
974	b	1004	c	1034	b	1064	c
975	c	1005	d	1035	a	1065	b
976	b	1006	a	1036	a	1066	a
977	a	1007	b	1037	d	1067	b
978	b	1008	a	1038	a	1068	b
979	b	1009	a	1039	c	1069	a
980	d	1010	c	1040	a		
981	b	1011	d	1041	b		
982	d	1012	a	1042	a		