

Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021)

Course Name - –Medicinal Chemistry I

Course Code - BP402T

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Answer all the questions. Each question carry one mark.

9. 1. The term for replacement of hydrogen with a flourine atom is known as

Mark only one oval.

- Isotope
- Isostere
- Isomer
- Isobar

10. 2. Which of the following is NOT a phase I metabolic transformation?

Mark only one oval.

- Alcohol conjugation
- Alkyl oxidation
- Ester hydrolysis
- Ketones reduction

11. 3. Which of the following is used for the treatment of angina pectoris?

Mark only one oval.

- Atenolol
- Valproic acid
- Paracetamol
- Griseofulvin

12. 4. Which of the following drugs is used for the treatment of cardiac ischemia and congestive heart failure?

Mark only one oval.

- Bisoprolol
- Aspirin
- Paracetamol
- Pantoprazole

13. 5. Ephedrine functions as _____

Mark only one oval.

- Bronchodilator
- Cardiac stimulant
- Nasal decongestant
- All of these

14. 6. Hydroxyamphetamine is used for the treatment of _____

Mark only one oval.

- Fever
- Inflammation
- Malaria
- Narcolepsy

15. 7. Which of the following drugs is used for the treatment of migraine?

Mark only one oval.

- Nalidixic acid
- Tamoxifen
- Tolbutamide
- Methysergide

16. 8. The parasympathetic system is also known as _____

Mark only one oval.

- Cholinergic system
- Adrenergic system
- Both Cholinergic system and Adrenergic system
- None of these

17. 9. Which of the following drugs is used in the treatment of pheochromocytoma?

Mark only one oval.

- Alprazolam
- Midazolam
- Frusemide
- Phentolamine

18. 10. Which of the following drugs is used as a nasal decongestant?

Mark only one oval.

- Aspirin
- Ibuprofen
- Propylhexedrine
- Galantamine

19. 11. Pseudoephedrine acts as a _____

Mark only one oval.

- Bronchodilator
- Vasoconstrictor
- Diuretic
- Antiseptic

20. 12. Which of the following is an imidazole derivative and potent competitive antagonist of both alpha 1 and alpha 2 receptor?

Mark only one oval.

- Prazosin
- Phenoxybenzamine
- Labetalol
- Phentolamine

21. 13. Which of the following drugs is used as a mydriatic and cycloplegic agent?

Mark only one oval.

- Muscarine
- Nicotine
- Cyclopentolate
- Aspirin

22. 14. Betanechol is used for the treatment of _____

Mark only one oval.

- Alzheimer's disease
- Parkinson's disease
- Wilson's disease
- Nephritis

23. 15. Dicyclomine is as an _____

Mark only one oval.

- Antispasmodic
- Antiulcer
- Antacid
- Anthelminthic

24. 16. Which of the following drugs is used as an antiulcer agent?

Mark only one oval.

- Metformin
- Galantamine
- Probenecid
- Methantheline

25. 17. Neostigmine is synthesized from _____

Mark only one oval.

- m-Chloro-N,N-dimethylaminobenzene
- 3-dimethylaminophenone
- 3-(4-methoxyphenyl)-1- methylhydrazine
- None of these

26. 18. Nicotinic antagonist from mono-quaternary amines class is:

Mark only one oval.

- Atracurium
- Pancuronium
- Mivacurium
- None of these

27. 19. Which of the following is an organophosphate insecticide?

Mark only one oval.

- Parathion
- Lysergic acid
- Nalidixic acid
- None of these

28. 20. The natural source of Galantamine is _____

Mark only one oval.

- Leujocum aestivum
- Galanthus nivalis
- Narcissus poeticus
- All of these

29. 21. What is the natural source of Hyoscyamine?

Mark only one oval.

- Panax ginseng
- Hyoscyamus niger
- Atropa belladonna
- Acorus calamus

30. 22. Which of the following is a long acting barbiturate?

Mark only one oval.

- Midazolam
- Mephobarbital
- Risperidone
- None of these

31. 23. Which of the following drug is an aldehyde?

Mark only one oval.

- Triclofos sodium
- Metformin
- Rivastigmine
- Benzocaine

32. 24. Which of the following is a Fluoro butyrophenone?

Mark only one oval.

- Haloperidol
- Halothane
- Chloramphenical
- Griseofulvin

33. 25. Which of the following is a propionic acid derivative?

Mark only one oval.

- Sulindac
- Aspirin
- Ibuprofen
- Paracetamol

34. 26. Which of the following is a p-amino phenol derivative?

Mark only one oval.

- Aspirin
- Cisplatin
- Paracetamol
- Ibuprofen

35. 27. Which of the following agents is a full antagonist of opioid receptors?

Mark only one oval.

- Meperidine
- Naloxone
- Dezocine
- Butorphanol

36. 28. Which of the following drugs is used for the treatment of Parkinson's disease?

Mark only one oval.

- Valproic acid
- Timolol
- Procyclidine
- Cisplatin

37. 29. Isostere of sulphur atom is

Mark only one oval.

- NH-
- O-
- Se-
- All of these

38. 30. The rate of drug transport across a cell membrane depends on

Mark only one oval.

- Chelation
- Ionization
- Partition coefficient
- Density of the transporters

39. 31. Optical isomers_____

Mark only one oval.

- Have different melting points
- Rotate plane-polarized light in opposite directions
- Have different solubilities in water
- Have different indices of refraction

40. 32. A drug that is an exception to the rule of five is _____

Mark only one oval.

- Aspirin
- Paracetamol
- Insulin
- None of these

41. 33. pOH is defined as _____

Mark only one oval.

- $-\log[\text{OH}^-]$
- $-\ln[\text{H}^+]$
- $\ln[\text{OH}^-]$
- $\log[\text{H}^+]$

42. 34. Which of the following is a Phase II metabolism transformation?

Mark only one oval.

- Oxidation
- Reduction
- Glucoronidation
- Hydrolysis

43. 35. Which of the following drugs is used for the treatment of bronchial asthma?

Mark only one oval.

- Nicotine
- Diclofenac
- Bitolterol
- Nimesulide

44. 36. Which of the following is an Alpha Adrenergic blocking agent that can be used for the treatment of migraine?

Mark only one oval.

- Penicillin
- Tetracycline
- Dihydroergotamine
- None of these

45. 37. Epinephrine is used for the treatment of _____

Mark only one oval.

- Asthma
- Ulcer
- Inflammation
- Fever

46. 38. Which of the following is used to control tachycardia?

Mark only one oval.

- Nicotine
- Esmolol
- Muscarine
- Histamine

47. 39. Which of the following drugs is used for the treatment of bronchial asthma?

Mark only one oval.

- Isoproterenol
- Cisplatin
- Carboplatin
- Aspirin

48. 40. Metaraminol is used in combination with which of the following drugs for the treatment of hypertension?

Mark only one oval.

- Griseofulvin
- Chloramphenicol
- Methoxamine
- Aspirin

49. 41. Methyldopa is used for the treatment of _____

Mark only one oval.

- Hypertension
- Ulcer
- Asthma
- Glaucoma

50. 42. Epinephrine is also known as _____

Mark only one oval.

- Dopamine
- Adrenaline
- Acetylcholine
- Serotonin

51. 43. How many subtypes of alpha adrenergic receptors are there?

Mark only one oval.

- 2
- 6
- 10
- 5

52. 44. Naphazoline is used as a _____

Mark only one oval.

- Vasodilator
- Vasoconstrictor
- Decongestant
- None of these

53. 45. Nor-epinephrine is used as a _____

Mark only one oval.

- Vasoconstrictor
- Vasodilator
- Diuretic
- Antiulcer

54. 46. Which of the following drugs is used for the treatment of hypertension?

Mark only one oval.

- Cisplatin
- Chloramphenicol
- Prazosin
- Ibuprofen

55. 47. Which of the following can be used as an antianginal drug?

Mark only one oval.

- Propranolol
- Rivastigmine
- Hyoscyamine
- Digitoxin

56. 48. Which of the following drugs can be used for the treatment of COPD?

Mark only one oval.

- Atropine
- Frusemide
- Aspirin
- Salbutamol

57. 49. The adrenergic beta 1 receptors are located in

Mark only one oval.

- Kidney
- Adipose tissue
- Lungs
- Adrenal gland

58. 50. Propranolol is useful in _____

Mark only one oval.

- Asthma
- Anesthesia
- Atropine poisoning
- Ventricular tachycardia

59. 51. Which of the following is alpha 1 selective antagonist?

Mark only one oval.

- Phenylephrine
- Dihydroergotamine
- Prazosin
- Epinephrine

60. 52. Beta 2 selective antagonist is

Mark only one oval.

- Tolazoline
- Ergotamine
- Pindolol
- Butoxamine

61. 53. Which of the following drugs is used for the treatment of Myasthenia gravis?

Mark only one oval.

- Ambenonium
- Paracetamol
- Aspirin
- Penicillin

62. 54. Anisotropine is used for the treatment of _____

Mark only one oval.

- Inflammation
- Glaucoma
- Stomach ulcers
- Gout

63. 55. Isoflurophate is used for the treatment of _____

Mark only one oval.

- Pertussis
- Dengue
- Cholera
- Glaucoma

64. 56. Which of the following is used for the diagnosis of bronchial hyper-reactivity?

Mark only one oval.

- Muscarine
- Nicotine
- Methacholine
- Frusemide

65. 57. Which of the following is used as a myotic agent?

Mark only one oval.

- Frusemide
- Physostigmine
- Ampicillin
- Methicillin

66. 58. Which of the following drugs is a AchE inhibitor containing pyridinium moiety and can be used for the treatment of Myasthenia gravis?

Mark only one oval.

- Metformin
- Aspirin
- Pyridostigmine
- Paracetamol

67. 59. Which of the following drugs is an used for the treatment of motion sickness?

Mark only one oval.

- Cisplatin
- Scopolamine
- Benzocaine
- Xylocaine

68. 60. Which of the following is a non-depolarizing muscle relaxant?

Mark only one oval.

- Griseofulvin
- Cocaine
- Morphine
- Tubocurarine

69. 61. For maximum muscarinic potency numbers of atoms between the nitrogen and terminal hydrogen are_____

Mark only one oval.

- Less than 5
- Less than 2
- Greater than 5
- None of these

70. 62. Number of Acetylcholine molecules per second per molecule of cholinesterase enzyme is _____

Mark only one oval.

- Less than 5000
- Greater than 12000
- Between 5000-12000
- None of these

71. 63. Which of the following alkaloids is most widely used for motion sickness?

Mark only one oval.

- Atropine
- Hyoscyamine
- Hyoscine
- None of these

72. 64. Which of the following is an alkaloid?

Mark only one oval.

- Galantamine
- Paracetamol
- Nimesulide
- Neostigmine

73. 65. Which of the following drugs is a 1,2,3,4-tetrahydroacridine derivative?

Mark only one oval.

- Galantamine
- Rivastigmine
- Tacrine
- Nicotine

74. 66. Which of the following drugs is used as an antidote?

Mark only one oval.

- Cisplatin
- Celecoxib
- Pralidoxime
- None of these

75. 67. Which of the following is a tropane analogue?

Mark only one oval.

- Atropine
- Hyoscine
- Homatropine
- All of these

76. 68. Which of the following drugs is an amino alcohol ester?

Mark only one oval.

- Cyclopentolate
- Aspirin
- Gemcitabine
- Metformin

77. 69. Which of the following is a carbamate?

Mark only one oval.

- Meprobamate
- Vancomycin
- Rosiglitazone
- Tamsolusin

78. 70. Which of the following drug is a benzodiazepine?

Mark only one oval.

- Diazepam
- Midazolam
- Clonazepam
- All of these

79. 71. Barbitol is synthesized from:

Mark only one oval.

- Urea
- Pyridine
- Diethylether
- Chloroform

80. 72. Which of the following is a Phenothiazine?

Mark only one oval.

- Chlorpromazine
- Diclofenac
- Aspirin
- Ibuprofen

81. 73. Which of the following is a benzamide?

Mark only one oval.

- Sulpiride
- Ketamine
- Isoflurane
- Nalorphine

82. 74. Which of the following is a hydantoin derivative?

Mark only one oval.

- Nimesulide
- Ketorolac
- Phenytoin
- Valproic acid

83. 75. Which of the following is a N-Anthranilic acid derivative?

Mark only one oval.

- Hyoscyamine
- Mefenamic acid
- Rivastigmine
- Antipyrine

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