

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

Course Name - --Pharmacology I

Course Code - BP404T

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Answer all the questions. Each question carry one mark.

9. 1. Study of drug in humans is termed as:

Mark only one oval.

- Pharmacy
- Clinical Pharmacology
- Experimental Pharmacology
- Toxicology

10. 2. Name of a drug accepted by a scientific body USAN (united state adopted names) council is :

Mark only one oval.

- Generic name
- Chemical name
- Brand name
- None of these

11. 3. Which one of the following statement is correct pharmacokinetically?

Mark only one oval.

- Acidic drugs unionized at alkaline pH
- Basic drugs are unionized at acidic pH
- Basic drug ionized at alkaline pH
- Acidic drug ionized more in alkaline pH

12. 4. Which one of the following statement is not correct about the pharmacokinetic of drug in pregnancy?

Mark only one oval.

- Decline in total plasma protein
- Increase in total amount of body fluid
- The volume of distribution of drug remain unchanged
- The binding affinity of basic drug increased

13. 5. Irreversible cholinesterase inhibitors form which type of bond with their receptor?

Mark only one oval.

- Covalent bond
- Ionic bond
- Hydrogen bond
- None of these

14. 6. Which one of the following classes of the drug does not act on any type of receptor?

Mark only one oval.

- CNS stimulant
- Steroid
- General anesthetics
- Antacid

15. 7. How many helices are present in G-Protein receptor?

Mark only one oval.

- Six helix
- Three helix
- Seven helix
- Five helix

16. 8. The role of ion channel is_

Mark only one oval.

- Measuring the electric impulse generation
- Balancing of fluid
- Measuring the conduction of heart
- All of these

17. 9. Insulin produces their action by acting on which one of the following receptor?

Mark only one oval.

- G-protein receptor
- Tyrosine kinase receptor
- Ion channel receptor
- Cytosine receptor

18. 10. In prevention of absorption of ingested poisons a standard charcoal suspension should be_.

Mark only one oval.

- 20-40 g in 100 ml water
- 10-20 g in 100 ml water
- 20-40 g in 200 ml water
- 10-20 g in 200 ml water

19. 11. Use of which of the following may be associated with significant anticholinergic side effect

Mark only one oval.

- Diazepam
 Lithium
 Amitriptyline
 Chlorpromazine

20. 12. Selectivity of Dopamine is towards

Mark only one oval.

- α and β antagonist
 α and β agonist
 α agonist
 β antagonist

21. 13. Which one of the following acts as cholinesterase reactivator?

Mark only one oval.

- Atropine
 Pralidoxime
 Pirenzepine
 Ipratropium

22. 14. Beta blockers are contraindicated in

Mark only one oval.

- Hypertension
- Congestive cardiac failure
- Hypolipidemic patient
- Diabetes

23. 15. Cardioselective beta blocker is

Mark only one oval.

- atenolol
- Sotalol
- Labetelol
- Propranolol

24. 16. Therapeutic use of Amphetamine is

Mark only one oval.

- Uterine relaxant
- CNS stimulant
- Nasal decongestant
- Bronchodilator

25. 17. Which one of the following is long acting, high efficacy injectable local anesthetic?

Mark only one oval.

- Procaine
 Lignocaine
 Prilocaine
 Tetracaine

26. 18. Which one of the following is selective β_1 agonist?

Mark only one oval.

- Nor epinephrine
 Feneterol
 Isoproterenol
 Dopamine

27. 19. Which one of the following properties of sedative and hypnotics is wrong towards producing sleep?

Mark only one oval.

- Decreases the onset of sleep
 Increases the Stage-2 NREM
 Increases the duration of REM sleep
 Decreases the duration of slow wave sleep

28. 20. One of the following benzodiazepines does not produce active metabolite is__.

Mark only one oval.

- Diazepam
- Flurazepam
- Chlordiazepoxide
- Oxazepam

29. 21. The drug of choice in tonic-clonic seizures is

Mark only one oval.

- Carbamazepine
- Lamotrigine
- Phenytoin
- Valproate

30. 22. Topramate is sulfamate substituted ____.

Mark only one oval.

- Monosaccharide
- Alkaloi
- Disaccharide
- None of these

31. 23. GABA receptor subtypes are -

Mark only one oval.

- 3 types
- 5 types
- 2 types
- 4 types

32. 24. All the following are muscle relaxant except

Mark only one oval.

- Diazepam
- Amisulpiride
- Methocarbamol
- Mephenesin

33. 25. Which one of the following is not an amide?

Mark only one oval.

- Lignocaine
- Mepivacaine
- Procaine
- Dibucaine

34. 26. Which of the following muscle relaxant has the maximum duration of action?

Mark only one oval.

- Atracurium
- Vecuronium
- Rocuronium
- Doxacurium

35. 27. The pharmacological effect of chlorpromazine on the pupil is characterized by

Mark only one oval.

- Miosis followed by mydriasis
- Miosis with spasm of accommodation
- Mydriasis followed by miosis
- Miosis and blurring of vision

36. 28. Which one of the following neurotransmitters plays a major role in psychosis?

Mark only one oval.

- Cholinergic
- GABAergic
- Dopaminergic
- Adrenergic

37. 29. The antidepressant which inhibits monoamine oxidase

Mark only one oval.

- Amitryptalline
- Chlogyline
- Amoxapine
- None of these

38. 30. Which one of the following drugs is an atypical antidepressant

Mark only one oval.

- Imipramine
- Maclobemide
- Fluvoxamine
- Mianserin

39. 31. Which one of the following agents has a prominent effect on manic disorder?

Mark only one oval.

- Carbamazepine
- Lithium carbonate
- Verapamil
- Gabapentin

40. 32. One of the following antidepressant used in smoking cessation

Mark only one oval.

- Bupropion
- Imipramine
- Meclobemide
- Fluoxetine

41. 33. Which one of the following statement is wrong for carbidopa?

Mark only one oval.

- It increase half life of levodopa
- Decreases the peripheral conversion of dopamine
- Inhibit dopamine decarboxylase
- Affect the central conversion to dopamine

42. 34. Alzheimer's disease is characterized by

Mark only one oval.

- Senile plaque formation
- Aggregation of beta amyloid protein
- Deficiency of acetylcholine
- All the statement are correct

43. 35. Which one of the following CNS stimulant is used as a respiratory stimulant?

Mark only one oval.

- Doxapram
- Strychnine
- Amphetamine
- Cocaine

44. 36. The analgesic whose effect are resistant to reversal by naloxone is

Mark only one oval.

- Nalbupine
- Levorphanol
- Dezocine
- Buprenorphine

45. 37. All of the following effects results from the interaction of opioid analgesics with μ receptors except

Mark only one oval.

- Analgesia
- Amnesia
- Mitosis
- Respiratory depression

46. 38. One of the following statements is wrong for lithium carbonate

Mark only one oval.

- Decrease the NA and DA
- Decrease the level of 5 HT
- Inhibiting the action od ADH
- Decrease the inositol level

47. 39. Oily injection is preferably given by :

Mark only one oval.

- Subcutaneous route
- Intramuscular route
- Intravenous route
- None of these

48. 40. Which of the following is an expectorant agent?

Mark only one oval.

- Codeine
- Dextromethorphan
- Glyceryl guaiacolate
- Glycine

49. 41. At subcutaneous or intramuscular administration bioavailability of drug is low because

Mark only one oval.

- Due to incomplete absorption
- Due to first pass metabolism
- Due to large binding of drug
- None of these

50. 42. Majority of drug are transported across the membrane by

Mark only one oval.

- Passive diffusion
- Active transport
- Facilitated transport
- Complete ionized

51. 43. The Indian pharmacopoeia commission has released the eight edition of Indian pharmacopoeia

Mark only one oval.

- 2019
- 2020
- 2018
- 2016

52. 44. Maximum movement of drug occurs across the membrane by

Mark only one oval.

- Completely ionized
- Partially ionized
- Unionized
- In cationic form

53. 45. Half life of aspirin

Mark only one oval.

- 4hr
- 2hr
- 6hr
- 50 minutes

54. 46. Elixirs are _____ solutions of a drug

Mark only one oval.

- Hydro-alcoholic
- Hydro-basic
- Alcoholic-alcoholic
- Baic-alcoholic

55. 47. Which one of the following statement is wrong pharmacokinetically

Mark only one oval.

- Weakly acidic drug form salt with anions
- Weakly acidic drug form salt with cations
- Weakly basic drug form salt with cations
- Weakly acidic drugs ionize more at alkaline pH

56. 48. In advance cirrhosis of the liver, the dosage of which of the following drug should not be altered

Mark only one oval.

- Lithium
- Morphine
- Penicillin
- Sulfisoxazole

57. 49. The selectivity of drug action depend upon

Mark only one oval.

- Size of the drug
- Chemical structure of the drug
- Electric charge of the drug
- All of these

58. 50. One of the following is not G-protein coupled receptor

Mark only one oval.

- Ach
- Beta- adrenergic
- GABA-A
- 5-HT2

59. 51. Which one of the following is an example of ion channel receptor

Mark only one oval.

- Serotonin
- Nicotinic
- Dopaminergic
- Muscarinic

60. 52. At resting state the membrane is permeable to one of the following ions

Mark only one oval.

- Potassium
- Sodium
- Calcium
- Magnesium

61. 53. For endocrine signaling one of the following receptor may involve

Mark only one oval.

- G-protein receptor
- Protein kinase receptor
- Ion channel receptor
- Nuclear receptor

62. 54. Chlorpropamide metabolism is enhanced by

Mark only one oval.

- Ethyl alcohol
- Diazepam
- Lorazepam
- Chlordiazepoxide

63. 55. Protein binding of a drug helps in

Mark only one oval.

- Distribution
- Prolonging half life
- Limiting metabolism
- All of these

64. 56. All of following are examples of prodrugs except

Mark only one oval.

- Levodopa
- Enalapril
- Omeprazole
- Indomethacin

65. 57. Which one of the following response is an example of quantal response

Mark only one oval.

- LD-50
- Hypoglycemic effect of insulin
- Digitalis produce cardiac arrest
- All of these

66. 58. Full form of NCEs

Mark only one oval.

- New chemical entities
- New composition enlist
- New crude entities
- National chemical entities

67. 59. Many candidate drugs fail during clinical trials due to

Mark only one oval.

- Due to suboptimal human pharmacokinetics
- Due to suboptimal human pharmacodynamics
- Due to suboptimal human psychology
- None of these

68. 60. A NDA is submitted to the licensing authority in

Mark only one oval.

- Phase-0
- Phase-III
- Phase-I
- Phase-II

69. 61. Write down the full form of CDSCO

Mark only one oval.

- Central drugs standard control organization
- Committee of drug standard control organization
- Central drugs standard committee organization
- None of these

70. 62. Drug allergy is also known as

Mark only one oval.

- Hypersensitivity
- Super-sensitivity
- Adverse sensitivity
- Idiosyncrasy

71. 63. Drug induced disease

Mark only one oval.

- Iatrogenic diseases
- Idiosyncrasy
- Mutagenicity
- None of these

72. 64. Time sequence of the event is related to to drug administration is called-

Mark only one oval.

- DE challenge
- RE challenge
- Temporal relationship
- Temporal event

73. 65. The role of protein kinase is

Mark only one oval.

- Transfer of phosphate from ATP to serine residue
- Active adenylyl cyclase
- Cleavage of phosphor-Inositol pyrophosphate
- Degrade cyclic AMP

74. 66. Dopamine intravenous drip is preferred in hypotensive shock because

Mark only one oval.

- It increase the BP by producing vasoconstriction
- It increase both BP as well as renal blood flow
- It increase the BP without affecting renal blood flow
- It increase the BP without affecting myocardial contractility

75. 67. Which one of the following agents is a pharmacological odd one?

Mark only one oval.

- Pindolol
- Nadolol
- Oxprenolol
- Alprenolol

76. 68. Which one of the following has both alpha as well as beta receptor antagonistic property?

Mark only one oval.

- Yohimbine
 Indoramine
 Doxazosin
 Labetalol

77. 69. Beta blockers are contraindicated in all of the following except one

Mark only one oval.

- Diabetes
 Congestive heart failure
 Angina
 Asthma

78. 70. Which one of the following is selective β_1 agonist

Mark only one oval.

- Norepinephrine
 Dobutamine
 Isoproterenol
 Dopamine

79. 71. Local anesthetics may act by-

Mark only one oval.

- Block the release of neurotransmitters
- Block the influx of sodium in to the cell
- Increase the release of inhibitory neurotransmitters
- Inhibit the efflux of sodium from neurons

80. 72. One of the following antipsychotics does not have extrapyramidal side effect

Mark only one oval.

- Haloperidol
- Risperidone
- Chlorpromazine
- Clozapine

81. 73. Which one of the following drugs is not included in selective serotonin reuptake inhibition

Mark only one oval.

- Fluoxetine
- Sertraline
- Citalopram
- Trazodone

82. 74. Predominant area of MAO-B is

Mark only one oval.

- Brain
- Nerve ending
- Placenta
- Intestinal mucosa

83. 75. Features of parkinsonism except

Mark only one oval.

- Bradykinesia
- Rigidity
- Fever
- Variable tremor

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