

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

Course Name - --Pharmacology & Toxicology

Course Code - 2.3T

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Answer all the questions. Each question carry one mark.

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

Mark only one oval.

- Chemical name
- Brand name
- Generic name
- none of these

10. 2. Oily injection is preferably given by :

Mark only one oval.

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

11. 3. Enteric – coated tablets :

Mark only one oval.

- Have particles of drug covered with coating
- Increase gastric irritation
- Disintegrate in intestine
- Enhance absorption of drug

12. 4. Bioavailability is usually the least by the following route of administration:

Mark only one oval.

- Intramuscularly
- Intravenously
- Orally
- Rectal

13. 5. Process contributing least to transport of drug across biological membranes:

Mark only one oval.

- Passive diffusion
- Active transport
- Pinocytosis
- Facilitated diffusion

14. 6. All of the following parameters can be considered directly to calculated the dose in a child except:

Mark only one oval.

- Age
- Weight
- Sex
- Body surface area

15. 7. In zero order kinetics $t_{1/2}$:

Mark only one oval.

- Remain constant
- Decrease as dose increase
- Increase with dose
- First decrease then increase

16. 8. Primary site of drug metabolism is:

Mark only one oval.

- Kidney
- Lungs
- Liver
- Spinal cord

17. 9. Which of the following is true about the blood–brain barrier?

Mark only one oval.

- Endothelial cells of the blood–brain barrier have slit junctions
- Ionized or polar drugs can cross the blood–brain barrier easily
- Lipid-soluble drugs readily cross the blood–brain barrier
- Drugs cannot cross the blood–brain barrier through specific transporters

18. 10. Which statement about the process of drug discovery is true?

Mark only one oval.

- It only encompasses the non-clinical laboratory and animal testing.
- It is the process by which therapeutic compounds are formulated into medicines.
- It is the process which ascertains the effectiveness and safety of potential drug candidates.
- It ensures there are no side-effects associated with the potential drug candidates.

19. 11. What are the protein structures called that are expressed within the cell membranes and interact with endogenous signalling molecules or some drugs to initiate an intracellular response?

Mark only one oval.

- Enzymes
- Hormones
- Receptors
- Ligands

20. 12. Which of the following is not a type of cellular receptor?

Mark only one oval.

- Tyrosine kinase receptor
- G-protein coupled receptor
- Endocrine receptors
- Intracellular/nuclear receptor

21. 13. In pharmacokinetics what does the acronym ADME stand for?

Mark only one oval.

- Administration, Differentiation, Metabolism, and Excretion
- Absorption, Disintegration, Metabolism, and Efficacy
- Absorption, Distribution, Metabolism, and Excretion
- Administration, Distribution, Metabolism, and Efficacy

22. 14. Distribution of drugs to specific tissues:

Mark only one oval.

- Is independent of blood flow to the organ
- Is independent of the solubility of the drug in that tissue
- Depends on the unbound drug concentration gradient between blood and tissue
- Is increased for drugs that are strongly bound to plasma proteins

23. 15. Acidic drugs mainly bind to plasma:

Mark only one oval.

- Albumin
- Both (a) and (b)
- α_1 - acid glycoprotein
- None of these

24. 16. _____ is expressed in both the intestinal epithelium and the kidney.

Mark only one oval.

- CYP2D6
- Diazepam
- Aspirin
- Lidocaine

25. 17. Biotransformation of drugs is primarily directed to:

Mark only one oval.

- Activate the drug
- Inactivate the drug
- Convert lipid soluble drugs into nonlipid soluble metabolites
- Convert nonlipid soluble drugs into lipid soluble metabolites

26. 18. Plasma concentration is useful for:

Mark only one oval.

- Drugs with high safety margin
- Drugs activated in the body
- Drugs with low safety margin
- Hit and run drugs

27. 19. A drug is said to be potent when:

Mark only one oval.

- It produces maximal response
- It produces minimal/no side effects
- The amount needed to produce a certain response is less
- It has a rapid onset of action

28. 20. Spare receptors are often found among drugs that elicit:

Mark only one oval.

- Smooth muscle relaxation
- Secretion
- Smooth muscle contraction
- Cardiac stimulation

29. 21. pKa of a compound:

Mark only one oval.

- Is the pH of solution at which the compound is 50% ionized
- Is the pH of compound at which it is 50% ionized
- Is the time in which the compound is ionized
- None of these

30. 22. General anaesthetic is useful because it causes

Mark only one oval.

- Excellent analgesia
- Muscle relaxation and unconsciousness
- dynamic algorithm
- Abolition of reflexes

31. 23. Insulin has _____ amino acids.

Mark only one oval.

49

50

51

52

32. 24. One of the methods to measure changes in the levels of consciousness during anesthesia is _____

Mark only one oval.

Visual Evoked Potential

Tactile Evoked Potential

Auditory Evoked Potential

Speech Evoked Potential

33. 25. An antidote of heparin overdose is?

Mark only one oval.

Atropine

Ca salt

An antidote of heparin overdose is?

Dicumerol

34. 26. Plasma level of vitamin A may be significantly affected by?

Mark only one oval.

- Vitamin D
- Cephalosporin
- Oral contraceptives
- Aspirin

35. 27. Which one of these is non – barbiturate, used for pediatric anaesthesia?

Mark only one oval.

- Morphine
- Nikethamide
- Ketamine
- None of these

36. 28. Which of the following antiallergic drug does not have CNS depressant activity?

Mark only one oval.

- Diphenhydramine
- Hydroxyzine
- Astemizole
- Pheniramine

37. 29. Drugs on which people become dependent are called

Mark only one oval.

- Industrial drugs
- Single cell drugs
- Addictive drugs
- Pharmaceutical drugs

38. 30. Drug of choice for acute migraine is :

Mark only one oval.

- Ergot alkaloids
- Ketanserin
- Sumatriptan
- Ondansetron

39. 31. Which of following cause changes in perception, thought, emotion and consciousness?

Mark only one oval.

- Narcotics
- Sedatives
- Hallucinogens
- None of these

40. 32. Which of the following is the most toxic effect of atropine in children?

Mark only one oval.

- Hypotension
- Tachycardia
- Hyperthermia
- Hypertension

41. 33. Indicate a muscarinic receptor-blocking drug:

Mark only one oval.

- Pipecuronium
- Trimethaphan
- Scopolamine
- Pilocarpine

42. 34. Diuretic used in hypokalemic state :

Mark only one oval.

- Frusemide
- Thiazide
- Spiranolactone
- Bumetamide

43. 35. Cardioselective β -blockers is/are

Mark only one oval.

- Labetalol
- Sotalol
- Atenolol
- Propranolol

44. 36. Which of the following chemotherapy drug is likely to be toxic to gonads?

Mark only one oval.

- Adriamycin
- Vinblastine
- Procarbazine
- Paclitaxel

45. 37. Chlopropamide increases:

Mark only one oval.

- Glycogenolysis
- Peripheral utilization of glucose
- Insulin secretion
- Thyroxine secretion

46. 38. Drug of choice in acute attack of migraine is:

Mark only one oval.

- Methylsergide
- Serotonin
- Ergoamine artrate
- Nicotine

47. 39. Which of the following is a sign of deep anaesthesia?

Mark only one oval.

- Appearance of tears in eyes
- Resistance to passive inflation of lungs
- Fall in blood pressure
- Patient makes swallowing movements

48. 40. Moderate amounts of alcohol produce the following effects except:

Mark only one oval.

- Flushing
- Tachycardia
- Rise in body temperature
- It primarily used as carrier and adjuvant to other anesthetics

49. 41. Barbiturates exert the following action except:

Mark only one oval.

- Anticonvulsant
- Respiratory depressant
- Analgesic
- Antianxiety

50. 42. Hypnotic benzodiazepines increase the period of time spent in the following stage of sleep:

Mark only one oval.

- Stage-III
- Stage-IV
- Stage-II
- REM stage

51. 43. Vasoconstrictors should not be used in:

Mark only one oval.

- Neurogenic shock
- Haemorrhagic shock
- Secondary shock
- Hypotension due to spinal anaesthesia

52. 44. Action of pilocarpine include the following except-

Mark only one oval.

- Sweating
- Salivation
- Cycloplegia
- Miosis

53. 45. Atropine produces the following actions except-

Mark only one oval.

- Tachycardia
- Mydriasis
- Urinary incontinence
- Dryness of mouth

54. 46. Which is the most effective antidote for belladonna poisonings?

Mark only one oval.

- Neostigmine
- Pilocarpine
- Physostigmine
- Methacholine

55. 47. Diazepam is indicated in the following conditions except:

Mark only one oval.

- Tetanus
- Febrile convulsions
- Generalized tonic-clonic epilepsy
- Cardiac catheterization

56. 48. Which of the following is not CNS depressant but increases the tendency to fall asleep at night:

Mark only one oval.

- Pyroxidine
- Diphenhydramine
- Melatonin
- Ethanol

57. 49. Ototoxicity caused by loop diuretics is:

Mark only one oval.

- Torsemide
- Polythiazide
- Ethacrynic acid
- Furosemide

58. 50. The following are the features of sympathetic stimulation, except

Mark only one oval.

- Mydriasis
- Increased sweating
- Intestinal cramps
- Tachycardia

59. 51. Pilocarpine is used in:

Mark only one oval.

- Paralytic ileus
- Urinary retention
- Glaucoma
- All of the above

60. 52. The following are muscarinic effects except:

Mark only one oval.

- Decreased heart rate
- Bronchoconstriction
- Dryness of mouth
- Intestinal cramps

61. 53. Drug efficacy' refers to:

Mark only one oval.

- The range of diseases in which the drug is beneficial
- The dose of the drug needed to produce half maximal effect
- The maximal intensity of response that can be produced by the drug
- The dose of the drug needed to produce therapeutic effect

62. 54. Tetrodotoxin blocks nerve impulse/junctional transmission by-

Mark only one oval.

- Anticholinergic action
- Depleting acetylcholine
- Blocking Na⁺ channels
- Blocking Ca²⁺ channels

63. 55. Which of the following is an idiosyncratic adverse drug reaction?

Mark only one oval.

- Muscle dystonia caused by trifluromazine
- Precipitation of asthma by morphine
- Insomnia after taking pentobarbitone
- Gum hyperplasia caused by phenytoin

64. 56. Which of the following drugs exhibits 'therapeutic window' phenomenon:

Mark only one oval.

- Captopril
- Furosemide
- Imipramine
- Diazepam

65. 57. The smooth muscle structure that is relaxed by cholinergic drugs is:

Mark only one oval.

- Colon
- Gastric fundus
- Bladder trigone
- Major bronchi

66. 58. Which of the following drugs used for treatment of bronchial asthma are bronchodilators except?

Mark only one oval.

- Theophylline
- Ipratropium
- Beclomethasone
- Salmeterol

67. 59. Which of the following drugs prevents attack of allergic asthma?

Mark only one oval.

- Ipratropium
- Salbutamol
- Ketotifen
- Theophylline

68. 60. Octreotide is used for:

Mark only one oval.

- Acromegaly
- Osteoarthritis
- Pancreatitis
- Constipation

69. 61. Terbinafine drug of choice for onychomycosis can cause

Mark only one oval.

- Photosensitivity
- Depression
- Pulmonary obstacles
- None of the above

70. 62. Which of the following is an expectorant agent?

Mark only one oval.

- Glucine
- Dextromethorphan
- Glyceryl guaiacolate
- Codeine

71. 63. Codeine acts as a cough sedative by:

Mark only one oval.

- Producing mild nausea
- Depressing bronchiolar secretions
- Depressing cough center
- Depressing pulmonary action

72. 64. A Very common side effect of morphine is:

Mark only one oval.

- Allergic response
- Blood dyscrasias
- Constipation
- Liver damage

73. 65. The most significant adverse effect of ACE inhibition is :

Mark only one oval.

- Hypertension
- Hypocalcemia
- Hypotension
- Hypercalcemia

74. 66. Which of the following is an ACE inhibitor

Mark only one oval.

- Sarasin
- Diltiazem
- Captopril
- Spironolactone

75. 67. Drug of choice in insomnia due to anxiety:

Mark only one oval.

- Paraldehyde
- Imipramine
- Meprobamate
- Morphine

76. 68. Degoxin toxicity is enhanced by all of the following except:

Mark only one oval.

- Hypercalcemia
- Hyperkalemia
- Hypomagnesaemia
- Renal failure

77. 69. Verapamil acts by:

Mark only one oval.

- Blocking membrane depolarisation
- Membrane Stabilisation
- Ca-channel blockers
- None of the above

78. 70. Alcohol should not be given with:

Mark only one oval.

- Sulphonamides
- Clonidine
- Metronidazole
- Reserpine

79. 71. Iron is absorbed actively in the :

Mark only one oval.

- Stomach
- Terminal ileum
- Duodenum
- Proximal ileum

80. 72. Heparin antagonist is:

Mark only one oval.

- Heparan Sulfate
- Danaparoid
- Protamine Sulfate
- Nicoumalone

81. 73. Which of the following is not an oral anticoagulant?

Mark only one oval.

- Warfarin
- Dicumarol
- Heparin
- Phenindione

82. 74. Heparin effect is increased by:

Mark only one oval.

- Narcotic analgesic
- Oral Contraceptives
- Non Steroidal anti-inflammatory drugs
- Inhalational agents

83. 75. Bromocryptine is used in:

Mark only one oval.

- Hyperthyroidism
- Cushing syndrome
- Parkinsonism
- Stein leventhal syndrome

84. 76. Directly acting cough suppressant is:

Mark only one oval.

- Bromhexine
- Acetyl cysteine
- Dextromethorphan
- Carbeapentane

85. 77. The following expectorant acts both directly on the airway mucosa as well as reflexly:

Mark only one oval.

- Guaiphenesin
 Terpin hydrate
 Potassium iodide
 Bromhexine

86. 78. Antitussive act by-

Mark only one oval.

- Liquifying bronchial secretion
 b) Raising the threshold of cough centre
 Both B and C are correct
 c) Reducing cough inducing impulses from the lungs

87. 79. Select the fastest acting inhaled bronchodilator:

Mark only one oval.

- Ipratropium bromide
 Formoterol
 Salbutamol
 Salmeterol

88. 80. Caffeine is more powerful than theophylline in exerting the following action:

Mark only one oval.

- Bronchodialation
 - Cardiac stimulation
 - Augmentation of skeletal muscle contractility
 - Diuretics
-

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