

Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020)

Course Name - Medicinal Chemistry I

Course Code - BP402T

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Answer all the questions. Each question carry one mark.

9. 1.A structure which is used as the starting point for drug design and development is termed as _____ *

Mark only one oval.

- Active principle
- Pharmacophore
- Lead compound
- Orphan drug

10. 2.Replacement of -O- in a molecule by -S- is an example of: *

Mark only one oval.

- Stereoisomerism
- Homologation
- Isosteric replacement
- None of these

11. 3. Which of the following is NOT a phase I metabolic transformation?

Mark only one oval.

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

12. 4. Which of the following is a Phase I metabolism transformation? *

Mark only one oval.

- Oxidation
- Reduction
- Hydrolysis
- All of the above

13. 5. Which of the following is used for the treatment of angina pectoris? *

Mark only one oval.

- Atenolol
- Valproic acid
- Paracetamol
- Griseofulvin

14. 6. Which of the following drugs is used for the treatment of cardiac ischemia and congestive heart failure? *

Mark only one oval.

- a. Bisoprolol
 b. Aspirin
 c. Paracetamol
 d. Pantoprazole

15. 7.Ephedrine functions as _____ *

Mark only one oval.

- Bronchodilator
 Cardiac stimulant
 Nasal decongestant
 All of the above

16. 8.Hydroxyamphetamine is used for the treatment of _____ *

Mark only one oval.

- Fever
 Inflammation
 Malaria
 b. Narcolepsy

17. 9. Metibranolol is used for the treatment of _____ *

Mark only one oval.

- Neuritis
- Nephritis
- Glaucoma
- Gall stone

18. 10.Catecholamines are biosynthesized from which amino acid? *

Mark only one oval.

- Tyrosine
- Glycine
- Alanine
- Valine

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. Dicyclomine is as an _____ *

Mark only one oval.

- Antispasmodic
 Antiulcer
 Antacid
 Anthelmintic

22. 14. Which of the following drugs is used to overcome paralysis caused by skeletal muscle relaxants? *

Mark only one oval.

- Edrophonium
 Griseofulvin
 Methicillin
 Barbiturate

23. 15. Which of the following drugs is an antiulcer agent? *

Mark only one oval.

- Mepenzolate
- Paracetamol
- Nimesulide
- Aspirin

24. 16. Neostigmine is synthesized from _____ *

Mark only one oval.

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

25. 17. Which of the following drugs is a carbamate derivative? *

Mark only one oval.

- Rivastigmine
- Galantamine
- Amphetamine
- Aspirin

26. 18.Which of the following drugs is a piperidine derivative? *

Mark only one oval.

- Gemcitabine
- Donezepil
- Metformin
- Penicillin

27. 19.Which of the following is a salicylic acid derivative? *

Mark only one oval.

- Aspirin
- Ketamine
- Halothane
- Paracetamol

28. 20.Which of the following is a propionic acid derivative? *

Mark only one oval.

- Sulindac
- Aspirin
- Ibuprofen
- Paracetamol

29. 21. Which of the following agents is a full antagonist of opioid receptors? *

Mark only one oval.

Meperidine

Naloxone

Dezocine

Butorphanol

30. 22. The term for replacement of hydrogen with a fluorine atom is known as

Mark only one oval.

Isotope

Isostere

Isomer

Isobar

31. 23. Select a false statement given below with respect to the Lipinski's Rule of five *

Mark only one oval.

Molecular weight of drug must be less than 500

Number of H-bond donor must be less than 5

Number of H-bond acceptor must be less than

Log P must be less than 5

32. 24.Which of the following is used for the treatment of cardiac failure? *

Mark only one oval.

- Timolol
- Aspirin
- Nimesulide
- Betaxolol

33. 25.Which of the following drugs is used for the treatment of migraine? *

Mark only one oval.

- Nalidixic acid
- Tamoxifen
- Tolbutamide
- Methysergide

34. 26.The parasympathetic system is also known as _____ *

Mark only one oval.

- a. Cholinergic system
- b. Adrenergic system
- c. c. Both cholinergic system & adrenergic system
- d. None of the above

35. 27.Oxymetazoline is principally used as a _____ *

Mark only one oval.

- Diuretic
- Antibiotic
- Vasodilator
- Nasal decongestant

36. 28.Which of the following drugs is used for the treatment of peripheral vasospasm? *

Mark only one oval.

- Ampicillin
- Galantamine
- Tolazoline
- Procaine

37. 29.Betanechol is used for the treatment of _____ *

Mark only one oval.

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

38. 30.Ecothiophate is used for the treatment of _____ *

Mark only one oval.

- a. Glaucoma
 - b. Hypertension
 - c. Gangrene
 - d. Yellow fever
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