

DBATU End Semester University Practical Examination 2020-21

Medicinal Chemistry-I (BP406P) Division A (Date-07-07-2021) Time: 08.00 AM to 12.00 PM

* Required

1. Email *

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2. Name of Student *

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3. R.No. *

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4. Division *

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5. PRN No *

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6. 1. Which of the following is the first precursor of ADRENALINE formation * 1 point

Mark only one oval.

- A) Tyrosine
 B) DOPA
 C) Dopamine
 D) Nor-Adrenaline

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11. 6. Therapeutic use of drug Phenobarbital is/are? *

1 point

Mark only one oval.

- A) Treatment of seizures
 B) Sedation during time of anxiety
 C) Treatment of Diabetes
 D) Both A) and B)

12. 7. Chlordiazepoxide, a sedative hypnotics medication belongs to class of _____.* 1 point

Mark only one oval.

- A) Carbamates
 B) Propanediol
 C) Benzodiazepine
 D) Phenothiazine.

13. 8. Which one of the following enzymes is responsible for metabolism of adrenaline and noradrenaline * 1 point

Mark only one oval.

- A) Catechol O-methyltransferase
 B) Monoamine Oxidase
 C) Both A) & B)
 D) Oxygenase

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7. 2. Zolpidem Containing which heterocyclic ring *

1 point

Mark only one oval.

- A) Imidazo [2,3-b] pyridine
 B) Imidazo [1,2-a] pyridine
 C) Imidazo pyrimidine
 D) Imidazo pyrazole

8. 3. Starting material use for the synthesis of Phenytoin *

1 point

Mark only one oval.

- A) Benzil and Benzyl
 B) Benzil and Picric acid
 C) Benzil, Benzoin, NaOH
 D) Benzil, Urea, NaOH, Ethanol

9. 4. Esters of aromatic or higher molecular weight acid possess *

1 point

Mark only one oval.

- A) Cholinergic agonist activity
 B) Cholinergic antagonistic activity
 C) Anticholinesterases activity
 D) Anticholinergic antagonist activity

10. 5. The following enzyme is involved in the synthesis of acetylcholine *

1 point

Mark only one oval.

- A) Choline acetyl transferase
 B) Acetyl cholinesterase
 C) Both (A) and (B)
 D) None of the above

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14. 9. What is the IUPAC name of Isoproterenol *

1 point

Mark only one oval.

- A) 4-(1-hydroxy-2-(n-propylamino)ethyl)benzene-1,2-diol
 B) 4-(1-hydroxy-2-(isopropylamino)ethyl)benzene-1,2-diol
 C) 4-(1-hydroxy-2-(isopropylamino)methyl)benzene-1,2-diol
 D) 4-(1-hydroxy-2-(isopropylamino)ethyl)benzene-3,4-diol

15. 10. Removal of the p-hydroxyl group from epinephrine makes the molecule selective for *

1 point

Mark only one oval.

- A) alpha-1 adrenergic receptor
 B) alpha-2 adrenergic receptor
 C) Beta-1 adrenergic receptor
 D) Beta-2 adrenergic receptor

16. 11. Which of the following barbiturate derivative acts as anticonvulsant agent? *

1 point

Mark only one oval.

- A) Hexobarbital
 B) Phenobarbital
 C) Pentobarbital
 D) Secobarbital

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17. 12. Which of the following drug is acts as Cholinergic Blocking agent? * 1 point

Mark only one oval.

- A) Physostigmine
 B) Neostigmine
 C) Pyridostigmine
 D) Dicyclomine

18. 13. The anesthetic agent, which is an inhibitor of NMDA glutamate receptors is: * 1 point

Mark only one oval.

- A) Thiopental.
 B) Halothane.
 C) Ketamine.
 D) Sevoflurane.

19. 14. What is the starting material for the synthesis of Phenylephrine * 1 point

Mark only one oval.

- A) m-hydroxy phenacyl chloride
 B) o-hydroxy phenacyl chloride
 C) 2-Chloro ethanol
 D) 2-Bromo ethanol

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24. 19. In the sulfation process, what is the name of the coenzyme formed in the 1st step? * 1 point

Mark only one oval.

- A) 3'-phosphoadenosine-5'-phosphosulfate
 B) Adenosine triphosphate
 C) Adenosine-5'-phosphosulfate
 D) Uridine-5'-diphosphate-alpha-D-glucuronic acid

25. 20. The common name of 2-acetoxy-N,N,N-trimethylethan-1-aminium is _____ * 1 point

Mark only one oval.

- A) Acetylcholine
 B) Methacholine
 C) Carbachol
 D) Neostigmine

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20. 15. Incorporation of hydroxy group at 4-position in propranolol make the compound _____ * 1 point

Mark only one oval.

- A) Less active
 B) Inactive
 C) more potent
 D) Does not change in the activity

21. 16. Most current opioid analgesics act at this opioid receptor subtype * 1 point

Mark only one oval.

- A) Kappa.
 B) Delta.
 C) Epsilon.
 D) Mu.

22. 17. In which stage of anesthesia vital organ care is needed * 1 point

Mark only one oval.

- A) Stage of analgesia
 B) Stage of Delirium
 C) Stage of Surgical anaesthesia
 D) Medullary Paralysis

23. 18. Hypnotics are _____ * 1 point

Mark only one oval.

- A) Strong depressant of CNS
 B) Strong stimulant of CNS
 C) Mild depressant of CNS
 D) Mild stimulant of CNS

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Azim
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 07/07/2021
 Azim Anson