



**Dr. Babasaheb Ambedkar Technological University  
Vidyavihar, Lonere, Dist. Raigad**

**Summer End Semester Practical Examination 2020-21**

**Subject and Subject Code: Medicinal Chemistry-I BP406P Division: A**

**Class: Second Year B. Pharm**

**Semester:IV**

**Max. Marks: 20**

- Which of the following is the first precursor of ADRENALINE formation  
A) Tyrosine B) DOPA  
C) Dopamine D) Nor-Adrenaline
- Zolpidem Containing which heterocyclic ring  
A) Imidazo [2,3-b] pyridine B) Imidazo [1,2-a] pyridine  
C) Imidazo pyrimidine D) Imidazo pyrrazole
- Starting material use for the synthesis of Phenytoin  
A) Benzil and Benzyl B) Benzil and Picric acid  
C) Benzil, Benzoin, NaOH D) Benzil, Urea, NaOH, Ethanol
- Esters of aromatic or higher molecular weight acid possess  
A) Cholinergic agonist activity B) Cholinergic antagonistic activity  
C) Anticholinesterases activity D) Anticholinergic antagonist activity
- The following enzyme is involved in the synthesis of acetylcholine  
A) Choline acetyl transferase B) Acetyl cholinesterase  
C) Both (A) and (B) D) None of the above
- Therapeutic use of drug Phenobarbital is/are?  
A) Treatment of seizures B) Sedation during time of anxiety  
C) Treatment of Diabetes D) Both A) and B)
- Chlordiazepoxide, a sedative hypnotics medication belongs to class of \_\_\_\_\_.  
A) Carbamates B) Propanediol  
C) Benzodiazepine D) Phenothiazine.
- Which one of the following enzymes is responsible for metabolism of adrenaline and noradrenaline  
A) Catechol O-methyltransferase B) Monoamine Oxidase  
C) A) & B) D) Oxygenase
- What is the IUPAC name of isoproterenol  
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
- Removal of the p-hydroxyl group from epinephrine makes the molecule selective for  
A) alpha-1 adrenergic receptor B) alpha-2 adrenergic receptor  
C) Beta-1 adrenergic receptor D) Beta-2 adrenergic receptor
- Which of the following barbiturate derivative acts as anticonvulsant agent?  
A) Hexobarbital B) Phenobarbital  
C) Pentobarbital D) Secobarbital
- Which of the following drug is acts as Cholinergic Blocking agent?




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- A) Physostigmine  
C) Pyridostigmine
- B) Neostigmine  
D) Dicyclomine
13. The anesthetic agent, which is an inhibitor of NMDA glutamate receptors is:  
A) Thiopental.  
B) Ketamine.  
C) More potent  
D) Does not change in the activity
- B) Halothane.  
D) Sevoflurane.
14. What is the starting material for the synthesis of Phenylephrine  
A) m-hydroxy phenacyl chloride  
C) 2-Chloro ethanol
- B) o-hydroxy phenacyl chloride  
D) 2-Bromo ethanol
15. Incorporation of hydroxy group at 4-position in propranolol make the compound \_\_\_\_\_  
A) Less active  
C) More potent
- B) Inactive  
D) Does not change in the activity
16. Most current opioid analgesics act at this opioid receptor subtype  
A) Kappa.  
B) Epsilon.
- B) Delta.  
D) Mu.
17. In which stage of anesthesia vital organ care is needed  
A) Stage of analgesia  
C) Stage of Surgical anaesthesia
- B) Stage of Delirium  
D) Medullary Paralysis
18. Hypnotics are \_\_\_\_\_  
A) Strong depressant of CNS  
C) Mild depressant of CNS
- B) Strong stimulant of CNS  
D) Mild stimulant of CNS
19. In the sulfation process, what is the name of the coenzyme formed in the 1st step?  
A) 3'-phosphoadenosine-5'-phosphosulfate  
B) Adenosine-5'-phosphosulfate
- B) Adenosine triphosphate  
D) Uridine-5'-diphosphate-alpha-D-glucuronic acid
20. The common name of 2-acetoxy-N,N,N-trimethylethan-1-aminium is \_\_\_\_\_  
A) Acetylcholine  
C) Carbachol
- B) Methacholine  
D) Neostigmine

Google Link for Question Paper: <https://forms.gle/uidYxyZHXjMKBYSu8>

MS Team Link : <https://teams.microsoft.com/l/meetup-join/19%3ab0af5d5d382e41fc9362848cacf291a8%40thread.tacv2/1625568354543?context=%7b%22Ti%22%3a%22d1f14348-f1b5-4a09-ac99-7ebf213cbc81%22%2c%22Oid%22%3a%225ab4de95-f1c1-4366-b647-de37c449d0f2%22%7d>

  
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