



Seat No.	
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B. Pharmacy (Semester – VIII) Examination, 2018
(CGPA Pattern)
MEDICINAL CHEMISTRY – IV

Day and Date : Thursday, 13-12-2018
Time : 2.30 p.m. to 5.30 p.m.

Total Marks : 70

1. MCQ :

15

- 1) Nicotinic action of Ach. is blocked by _____
 - a) Atropine
 - b) d-tubocurarine
 - c) Neostigmine
 - d) None of above
- 2) _____ not an irreversible cholinesterase inhibitor.
 - a) isofluorophate
 - b) ecothiophate iodide
 - c) neostigmine
 - d) parathion
- 3) _____ drug using as calcium antagonist.
 - a) verapamil
 - b) quinidine
 - c) amiodarone
 - d) enalapril
- 4) _____ act as long acting organic nitrate.
 - a) isosorbide mononitrate
 - b) nitroglycerine
 - c) amyl nitrate
 - d) all of above
- 5) For nitroglycerine _____ route is preferred.
 - a) Sublingual
 - b) IM
 - c) IV
 - d) All of above
- 6) Insertion of _____ bridge in aryloxypropanolamine gives aryloxypropanolamine act as β -adrenergic blocker.
 - a) oxyethylene
 - b) oxymethylene
 - c) oxybutylene
 - d) none of above
- 7) _____ not a direct acting drug.
 - a) adrenaline
 - b) noadrenaline
 - c) isoprenaline
 - d) amphetamine
- 8) _____ drug affect the storage of noradrenaline.
 - a) guanethidine
 - b) reserpine
 - c) pargyline
 - d) α -methyl dopa

P.T.O.



- 4) Write classification β -adrenergic blockers drugs and explain SAR of it.
- 5) Classify antihyperlipidemic drug and note on HMG-COA reductase inhibitors.
- 6) Write synthesis and uses of :
 - a) Procainamide
 - b) Cyclopentolate.

3. Answer **any 3** :

30

- 1) Explain in detail biosynthesis, storage and release and metabolism of NA from amino acid with structure and enzyme involved it.
 - 2) Define and classify antihypertensive agent explain MOA and SAR of ACE inhibitor.
 - 3) Define QSAR and explain in detail physiological parameters of it.
 - 4) Define pro-drug, classify it and explain in detail examples with advantages.
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