

Code No: B133204

R13**SET - 1****III B. Pharmacy II Semester Supplementary Examinations, Nov - 2018**
MEDICINAL CHEMISTRY-III

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answering the question in **Part-A** is Compulsory
3. Answer any **THREE** Questions from **Part-B**
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PART -A

1. a) Write in brief on parallel synthesis. (4M)
- b) Write short notes on ion channels. (4M)
- c) Compare the chemistry of Estrogen and Progesterone. (4M)
- d) Write in brief on sodium channel modulators as antiarrhythmics. (4M)
- e) What are coronary vasodilators? Give examples. (3M)
- f) Write structure and MOA of Acetazolamide. (3M)

PART -B

2. a) What is QSAR? Write in detail on parameters used in the development of QSAR models. (10M)
- b) Discuss the principles of combinatorial chemistry. (6M)
3. a) What is a receptor? Classify them. Write in detail on G-Protein Coupled Receptors (GPCRs). (10M)
- b) Write in brief on pharmacophore modeling. (6M)
4. a) Write in detail on bile salts. (10M)
- b) Write short notes on SAR of steroidal anti-inflammatory agents. (6M)
5. a) Write MOA, SAR and clinical uses of calcium channel blockers. (10M)
- b) Write in brief on betablockers. (6M)
6. a) With a neat discuss the regulation of blood pressure. Identify the drug targets for antihypertensives. (8M)
- b) Write short notes on ACE inhibitors. (8M)
7. Write structure, IUPAC name, MOA and uses of (16M)
(a) Procainamide (b) Methyldopa (c) Clonidine (d) Ethacrynic acid