

Subject Code: B133204/R13**SET-I****III B. Pharmacy II Semester Regular/Supplementary Examinations, April-2018****MEDICINAL CHEMISTRY-III****Time: 3 hours****Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**

PART-A

1. (a) Describe briefly about QSAR studies.
(b) Write a note on Lipinski rule of five.
(c) Write a short note on Bile acids.
(d) Describe about types of receptors.
(e) Write short note on docking studies.
(f) Write a note on Pharmacophore modeling. [4+4+4+4+3+3]

PART-B

2. (a) Write the Classification, SAR, Mode of action and therapeutic uses of Steroidal anti Inflammatory drugs.
(b) How do you synthesize the Progesterone from the Diosgenin? [10+6]
3. (a) Classify the Cardiac glycosides with structures and write about the mode of action and therapeutic uses of Cardiac Glycosides.
(b) Write about the synthesis and uses of Procainamide. [10+6]
4. Write the synthesis of following
(a) Losartan
(b) Isosorbide dinitrate
(c) Clonidine
(d) Ethacrynic acid [4+4+4+4]
5. (a) Classify antihypertensive drugs with examples. Write the MOA of each class of drugs.
(b) Write about SAR, mode of action and uses of anti-Anginal drugs. [8+8]
6. (a) Explain about characterization of combinatorial libraries.
(b) Describe a short note on various parameters of QSAR studies. [8+8]
7. (a) Write about classification, MOA, SAR and uses of Diuretics.
(b) Write methods of synthesis of Hydrochlorothiazide and Acetazolamide. [10+6]
