

Code No: B4201

**R10****SET - 1****IV B. Pharmacy II Semester Supplementary Examinations, April - 2019****MEDICINAL CHEMISTRY – III**

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions  
All Questions carry **Equal** Marks  
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1. a) Classify antiarrhythmic drugs with examples. Write a note on calcium channel blockers. (10M)  
b) Discuss the development, MOA and clinical uses of cardiac glycosides. (5M)
2. Write short notes on (15M)  
(a) Coronary vasodilators (b) Thiazide diuretics
3. a) Write in detail on MOA, SAR and clinical uses of azole antifungals. (10M)  
b) Write a note on second line anti TB agents. (5M)
4. Write structure, IUPAC name, MOA and uses of (15M)  
(a) albendazole (b) INH (c) propranolol (d) melphalan
5. a) Write in detail on nonnucleoside reverse transcriptase inhibitors (NNRTIs). (7M)  
b) Classify antihyperlipidemic agents with examples. Write a note on bile acid sequestering agents. (8M)
6. a) Write in detail on anticancer antibiotics. (8M)  
b) Write a note on antileprotic agents. (7M)
7. a) What are antimalarial agents? Classify them with examples. Write in detail on 4-amino quinoline class of antimalarial agents. (10M)  
b) Discuss the role of nitro-vasodilators as antianginal agents. (5M)
8. Outline the synthesis and uses of (15M)  
(a) methyldopa (b) ciprofloxacin (c) busulfan