

Subject Code: B4201/R10**IV B.Pharmacy II Semester Advanced Supple. Examinations July - 2016****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 the synthesis and mechanism of action of procainamide.
(b) Write a brief account on statins. [9+6]
2. (a) What are diuretics? Give the classification of diuretics with examples and their structures. Write the synthesis and mechanism of action Acetazolamide.
(b) Give a detail account on potassium sparing diuretics. [9+6]
3. (a) Give the classification of sulphonamides with examples. Explain their mode of action and write the synthesis of Sulfamethoxazole.
(b) What are antihyperlipidemics? Give the classification and synthesis of clofibrate. [7+8]
4. (a) Discuss the mechanism of action and synthesis of methyldopa.
(b) Give the classification of anthelmintic drugs. Describe the mechanism of action and synthesis of mebendazole and diethylcarbamazepine citrate. [5+10]
5. Write a detail note on following.
(a) Anti viral drugs.
(b) ACE inhibitors
(c) Anti leprotic drugs. [15]
6. (a) Classify antineoplastic agents with structural examples from each class. Discuss the mode of action alkylating agents.
(b) Write the synthesis, mechanism of action and therapeutic uses methotrexate. [9+6]
7. Give the synthesis and therapeutic uses of
(a) 5-fluorouracil
(b) Metronidazole
(c) furosemide [15]
8. (a) Classify antitubercular drugs with examples. Outline the mechanism of action and synthesis of Isoniazide.
(b) Write the classification of antimalarial drugs and give the synthesis of chloroquine and primaquine. [7+8]
