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Roll No

PY-501 (CBGS)**B.Pharmacy V Semester (Non-PCI Scheme)**

Examination, November 2018

Choice Based Grading System (CBGS)**Medicinal Chemistry - II***Time : Three Hours**Maximum Marks : 75*

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. What are antihistamines? Classify them with examples. Explain the structure activity relationship of antihistamines.
2. a) Classify antihypertensive drugs with suitable examples. Discuss the SAR and MOA of antihypertensive agents.
b) What is angina? Classify the SAR and MOA of calcium channel blocker with suitable examples.
3. Classify diuretics on the chemical basis giving suitable example. Discuss SAR and MOA of carbonic anhydrase inhibitors. Write synthesis of acetazolamide.
4. a) Write structures of currently used oral hypoglycemic agents and synthesis of any two drugs.
b) What are sex hormones? Give detailed notes on drugs used as oral contraceptives and used in erectile dysfunction.

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5. a) Classify antithyroid agents with suitable structures and discuss the biosynthesis of thyroid hormones.
b) Classify local anaesthetics with suitable structures.
6. Classify antineoplastic drugs with examples. Write a note on alkylating agents used as antineoplastic drugs and write synthesis of any two agents.
7. Write the synthesis, mode of action and uses of any three of the following:
 - a) Diphenhydramine HCl
 - b) Nitroglycerin
 - c) Benzocaine
 - d) Furosemide
8. Write short notes on any two of the following:
 - a) Proton pump inhibitors
 - b) Plant products as antineoplastic agents
 - c) Antihyperlipidemic agents
 - d) Corticosteroids
