

Roll No .....

**PY-501 (CBGS)****B.Pharm., V Semester (PCI Scheme)**

Examination, December 2017

**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.  
 iii) Draw neat and well labelled diagrams wherever necessary.

- How Histamine synthesized in the human body? Give classification of Antihistaminic agents with suitable examples.
- Give synthesis, mode of action and medicinal uses of Diphenhydramine and Cimetidine.
  - Discuss SAR of Local anesthetics.
- Write a note on Proton pump inhibitors.
  - Classify Anti-arrhythmic Drugs with suitable examples.
- Give classification of Diuretics with examples, discuss S.A.R. of Thiazides Diuretics.

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- What do you mean by angina? Discuss mode of action of Calcium channel blockers as Antianginal agents. Also give synthesis of any one drug form Vasodilators category.
- Brief about stereochemistry of steroids acting on Endocrine system.
  - Write a note on drugs used in Congestive Heart Failure.
- Give classification of Anti-neoplastic agents with suitable examples. Write mode of action of Alkylating agents and Antimetabolites as Anti-neoplastic drugs.
- Write short note on any three of the following:
  - Anticoagulants
  - Synthesis of Promethazine
  - Anti-hyperlipidemic agents
  - Insulin and its preparations

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