



Printed Pages : 2

PH – 484

(Following Paper ID and Roll No. to be filled in your Answer Book)

**PAPER ID : 5065**

Roll No.

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## B. PHARM.

(SEM. VIII) EXAMINATION, 2006-07

PHARMACEUTICAL CHEMISTRY - VIII

(MEDICINAL CHEMISTRY - III)

*Time : 3 Hours]*

*[Total Marks : 80*

*Note : Answer all the questions. All questions carry equal marks.*

**1** Attempt any **two** parts of the following : **10×2=20**

- (a) What are the different factors affecting QSAR study?
- (b) Discuss the molecular modelling methodologies and their capabilities.
- (c) Write on Hansch approach.

**2** Answer any **two** of the following :

- (a) Enumerate the drug conjugation pathways and discuss glucuronic acid conjugation in detail.
- (b) How are drugs metabolised by hydrolysis and reduction process.
- (c) Write in short on prodrugs.

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[Contd...

- 3** Answer any **four** part of the following :
- (a) Classify anticoagulants and write the synthesis and warfarin.
  - (b) Discuss the SAR of calcium channel blockers (1,4-Dihydropyridines)
  - (c) Give the synthesis, mode of action and uses of pentolamine.
  - (d) Give the synthesis, uses and mode of action of propranolol
  - (e) Write a short note on Iopanoic acid as Diagnostic agent.
- 4** Attempt any **two** part of the following :
- (a) Classify antithyroid drugs and discuss the mode of action of carbimazole.
  - (b) Discuss the structure activity relationship and sulphonylureas.  
Give the synthesis of tolbutamide and glibenclamide.
  - (c) Write mode of action and clinical application of propyl thiouracil, write about insulin.
- 5**
- (a) Give the synthesis uses and mode of action of Lamivudine and Zalcitabine.
  - (b) What do you mean by prostaglandins. Give SAR of prostaglandins.
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