



Printed Pages : 2

PHAR – 361

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

**PAPER ID : 5112**

Roll No.

--	--	--	--	--	--	--	--	--	--

**B. PHARM.**

(SEM. VI) EXAMINATION, 2006-07

**PHARMACEUTICAL CHEMISTRY - VI**

**(MEDICINAL CHEMISTRY - II)**

*Time : 3 Hours]*

*[Total Marks : 80*

- Note :*
- (1) Attempt all the questions.*
  - (2) Each question carries equal marks.*

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

- (a) Explain Hansch approach to QSAR
- (b) Write about traditional analogs
- (c) Introductory note on molecular modelling.

**OR**

**1** What do you mean by Anticoagulants. Give the characteristics of an ideal anticoagulant. Discuss the SAR of coumarin derivatives used as anticoagulant. Give the synthesis of phenindione.

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

- (a) Write about antianginal drugs
- (b) Give the synthesis, uses of nifedipine, methyl dopa, captopril and propranolol
- (c) Give a note on cardiotonics.

- 3 (a) Write about second generation antihistaminics.

**OR**

- (a) Give the synthesis, uses and mode of action of promethazine, and famotidine.
- (b) What do you mean by Antineoplastics ? Give their classification. Give the synthesis of chlorambucil. Write in short on anticancer drugs from natural sources.

- 4 Answer any **two** of the following:

- (a) Give the synthesis and uses of dicloniferaac, sulphacetamide, meferamic acid and sulphamethoxazole.
- (b) What do you mean by MSAIDS? Give SAR of the M-arylanthronilic acid and arylacetic acid derivatives;
- (c) Write in short on antibacterials.

- 5 Answer any **two** of the following :

- (a) Give SAR of diuretics
- (b) Give the synthesis, uses and mode of action of Chlorthiazide and Iopanoic acid
- (c) What do you mean by diagnostic agents? Discuss diagnostic agents used for kidney functions test and radioisotopes used in diagnostic studies.
-