



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.
