



Printed Pages : 2

PH – 361

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

PAPER ID : 5057

Roll No.

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B. PHARM.

(SEM. VI) EXAMINATION, 2006-07

PHARMACEUTICAL CHEMISTRY - V

(MEDICINAL CHEMISTRY - I)

Time : 3 Hours]

[Total Marks : 80

- Note :*
- (1) Answer **all** the questions.
 - (2) All questions carry **equal** marks.

1 Write on any **two** of the following : **8+8**

- (a) Geometrical isomerism of drug molecule and biological action.
- (b) Drug-receptor interaction;
- (c) Active and passive transport phenomenon

2 (a) Write in short on anticholinesterases

OR

- (a) Give the synthesis and uses of atropine, physostigmine, amphetamine and ephedrine.
- (b) Give a short notes on anticholinergic drugs.

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

- (a) Synthesis and uses of thiopental, lignocaine, phenobarbitone and methadone.

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[Contd...

- (b) Define local anesthetic and classify them. Give SAR of PABA derivatives
- (c) SAR of morphine derivatives used as opioid analgesic.

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

- (a) Synthesis and uses of Caramiphen, phenytoin; nilcethamide and carbidopa.
- (b) SAR of Anticonvulsants belonging to barbiturates, hydantoinis and oxazolidinedione classes;
- (c) Antitussives.

5 (a) Give synthesis and uses of meprobamate, pancuronium, dicyclomine and imipramine.

OR

- (a) Write in short on antispasmodics
- (b) Define and classify antidepressants and neuroleptics. Give SAR of antidepressant belonging to phenothiazine nucleus.