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 anticholenergic drugs.

3 Answer any two of the following:
   (a) Synthesis and uses of thiopental, lignocaine, phenobarbitone and methadone.

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(b) Define local anesthetic and classify them. Give SAR of PABA derivatives

(c) SAR of morphine derivatives used as opiod 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, hydantoin and oxazolidinedione classes;
(c) Antitussives.

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

OR

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