

PY-503

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B. Pharm. (Fifth Semester) EXAMINATION, June, 2010

PHARMACEUTICAL CHEMISTRY – VI

(Medicinal Chemistry – I)

(PY – 503)

Time : Three Hours

Maximum Marks : 70

Note : Attempt any *five* questions. All questions carry equal marks.

1. Discuss the importance of stereochemistry in biological activity. What is the role of optical isomerism in drug action ?
2. What are prodrugs ? How and why they are prepared ? Explain giving examples.
3. Give IUPAC name, synthesis and uses of the following :
 - (a) Diphenhydramine HCl
 - (b) Ketoprofen
 - (c) Lignocaine
 - (d) Ranitidine
4. What are Adrenergic Hormones ? What is their importance ? What are different Adrenergic drugs used presently ?
5. Give classification of Neuromuscular agents giving

metabolism giving suitable examples.

7. Write short notes on any *two* of the following :

(a) **Enkephalins**

(b) G Proteins

(c) Hydrogen bonding and its importance.

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