

PY-503(O&N)

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B. Pharm. (Fifth Semester)

EXAMINATION, Dec., 2011

(Old & New Scheme)

PHARMACEUTICAL CHEMISTRY – VI

(Medicinal Chemistry – I)

[PY-503(O&N)]

Time : Three Hours

Maximum Marks : 70

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

1. Explain the concept of bioisosterism and the steric aspects of drug molecules and biological actions.
2. Discuss the receptor theories and receptor and biological response.
3. Write about neurochemistry and stereochemistry of norepinephrine and xanthine bronchodilators.
4. Explain molecular mechanism of action and chemical aspects of local anesthetic. Also give the detailed chemistry of *one* of the local anesthetics.

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5. Give the classification of NSAIDs. Give the chemistry of chemical mediators of inflammation and SAR of *one* of the NSAIDs.
6. Explain chemical delivery system. Write about basic concept of prodrug and drug latentiation.
7. Write a note on the Drug metabolism and dual acting antihistaminics.

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