

PY - 603

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B.Pharm. VI Semester

Examination, June 2013

**Pharmaceutical Chemistry VII**  
**(Medicinal Chemistry II)**

*Time : Three Hours*

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*Maximum Marks : 70*

*Note: Attempt any five questions. All questions carry equal marks. Give structures, equations and diagrams wherever necessary.*

1. a) Discuss chemistry of general anaesthetics. Add a note on pre anaesthetic medication. 7  
b) Classify sedatives and hypnotics with one representative structure from each class. 7
2. a) Write in details about hydantoins, oxazolidinediones and succinimides as anticonvulsants. 7  
b) Discuss SAR and evolution of opioid analgesics. 7
3. a) Write an exhaustive account of pharmacotherapy of parkinson's disease. 7  
b) Give SAR of benzodiazepines as anxiolytics. 7

4. a) Explain mode of action and uses of antispasmodic and antiulcer drugs. 7  
b) Discuss role of insulin in maintenance of blood sugar level & etiology of different types of diabetes. 7
5. a) Classify sex hormones, discuss role of each in our body. 7  
b) Discuss chemistry and SAR of estrogens. 7
6. a) Give a detailed account of chemistry and SAR of tricyclic antidepressants. 7  
b) Classify water soluble vitamins and give an exhaustive account of vitamin B complex. 7
7. a) Explain quantum mechanical approach towards drug design. 7  
b) Write about Hansch's analysis. 7
8. Write short notes on any two : 14  
a) Antithyroid agents  
b) Antidiarrhoeals  
c) Testing of new hypnotics  
d) Drugs of abuse

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