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Roll No

PY - 603**B.Pharmacy VI Semester**

Examination, June 2017

**Pharmaceutical Chemistry - VII
(Medicinal Chemistry - II)****Time : Three Hours****Maximum Marks : 70**

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Classify general anaesthetics giving examples with structures. 5
b) Write a brief account of various theories put forward for mode of action and mechanism of general anaesthetics. 5
c) Write an exhaustive note on testing and development of new hypnotics. 4
2. a) Give name and structures of drugs effective against partial and generalized tonic-clonic seizures. 5
b) Write a note on morphine and its analogs. 5
c) Discuss neurobiology of drug abuse and addiction. 4
3. a) Give a comprehensive account of mode of action of various potent anti parkinsonism agents with the help of typical examples. 5
b) Discuss mode of action of various spasmolytic agents giving specific examples. 5
c) What are hallucinogens? Discuss some stimulants and related drugs of abuse. 4

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4. a) What are anxiolytic drugs? Discuss mechanism of action and SAR of benzodiazepines. 5
b) Write on different types of drugs used as irritant purgatives. 5
c) Under antidiarrhoeal drugs, discuss drugs which alter the tone and motility of bowels. 4
5. a) Briefly discuss drug treatment of Traveller's Diarrhoea and ulcerative colitis. 5
b) Classify antipsychotic drugs and discuss SAR of phenothiazine. 5
c) Write a note on tricyclic antidepressants. 4
6. a) What are type I and type II diabetes? Discuss etiology of diabetes and production of insulin. 5
b) Classify oral hypoglycemic drugs giving structures and chemical name. 5
c) What are adreno corticoids? Discuss mechanism of steroid hormone action. 4
7. a) What are sex hormones? Classify them giving structures. 7
b) Name some thyroid and antithyroid agents giving structures and their functions. 7
8. a) Classify fat soluble and water soluble vitamins. Discuss their physiological role. 7
b) Write an exhaustive note on computer aided drug design and molecular modelling. 7

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