

B.Pharmacy VI Semester

Examination, June 2015

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

Time : Three Hours

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Maximum Marks : 70

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
 ii) All parts of each questions are to be attempted at one place.
 iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.
 iv) Except numericals, Derivation, Design and Drawing etc.

1. a) What are ulcers. How they are formed.
 b) Give different stages of anaesthesia.
 c) Discuss various forms of epilepsy.
 d) Classify oral hypoglycemic agents with suitable structures. Discuss synthesis and MOA of any two compound.

OR

Classify antiparkinson drugs with suitable example and explain pathophysiology of disease.

2. a) What do you understand by drug abuse.
 b) Explain development of adreno corticoids drugs.

- c) What is diabetes how insulin is produced.
 d) Give classification of psychopharmacological agents with examples and structure from each class.

OR

Define seizure. Give chemical classification of anti-seizure, synthesis and MOA of any one compound.

3. a) What do you understand by sedative and hypnotics.
 b) Write note on drug abuse and addiction.
 c) Write note on antiulcer drugs.
 d) Classify opioid analgesics with suitable structure. Discuss the SAR aspects of opioid analysis.

OR

Classify general anaesthetics with suitable structure. Give synthesis and MOA of any two compound.

4. a) Define anxiolytics.
 b) What are anticonvulsants.
 c) Write note on laxative.
 d) What are vitamins? Classify it. Give the importance of vitamin as coenzyme.

OR

Classify antithyroid agents with suitable structure and discuss the biosynthesis of thyroid hormones.

- a) What are hallucinogens.
 b) What are antispasmodics.
 c) What do you understand by partial and generalized seizure.
 d) Give scientific aspects of drug design. What are different approaches used in drug design.

OR

Discuss nomenclature of steroids with suitable example. Elaborate testosterone.