

**B. Pharmacy (Sixth Semester) Examination,
April-May 2017**

(New Course)

(Pharmacy Branch)

MEDICINAL CHEMISTRY - II

Time Allowed : Three hours

Maximum Marks : 70

Note : Attempt any five questions. Each question carries equal marks.

1. Define and classify vitamins. Write chemistry, synthesis and role of vitamin A and vitamin C. 14

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2. Classify general Anesthetics with examples. Give synthesis and mode of action of Phenobarbitone and Diazepam. Write SAR of Barbiturates. 14

3. (a) What is Epilepsy? Give mechanism of action and synthesis of Ethosuximide and Carbamazepine. 8
- (b) Write short note on CNS stimulants. 6
4. (a) What do you understand by combinatorial chemistry? Discuss the combinatorial synthesis on solid phase. 7
- (b) Classify Antidepressants with structural examples. Give synthesis of phenelzine. 7
5. (a) What are Antiparkinsonian drug? Write the synthesis, mechanism of action and uses of procyclidine. CSVТУonline.com 7
- (b) Explain in detail mode of action and structure activity relationship of sulphonamide. 7
6. (a) What are opioid analgesics? Classify them with suitable examples. Discuss their mechanism of action. 7
- (b) Write short note on Thyroid and Antithyroid drug. 7
7. Draw structure of following drugs :
- (i) Nitrazepam

- (ii) Phenosuximide
- (iii) Methaqualone
- (iv) Allobarbitone
- (v) Benztropine
- (vi) Fluoxetine
- (vii) Alpidem