



JBN-16120107010402000 Seat No. _____

**Master of Pharmacy Management (Sem. IV)
(CBCS) Examination**

December - 2019

BP402T : Medicinal Chemistry-I

Time : 3 Hours]

[Total Marks : 75

- 1 Answer the following questions : **10×2=20**
- (a) Define: Sedative and Hypnotics.
 - (b) Give synthesis of methadone.
 - (c) Differentiate the terms ANS and SNS.
 - (d) Discuss catabolism of catecholamines.
 - (e) Give example of cholinesterase activator with its use.
 - (f) Explain the term ionization.
 - (g) What is the classification of General Anesthetics?
 - (h) Give examples of narcotic antagonists.
 - (i) Enumerate various factors affecting drug metabolism.
 - (j) Give synthesis of mefenamic acid.
- 2 Answer any **two** out of the following : **2×10=20**
- (a) Define: Parasympatholytic agents. Classify them with suitable examples. Explain SAR of Ach receptor antagonists.
 - (b) Discuss the definition and classification of Anti-psychotics. Explain SAR of Phenothiazines.
 - (c) Define and classify sympathomimetic agents. Explain SAR of adrenergic receptor agonists.
- 3 Answer any **seven** out of the following : **7×5=35**
- (a) Give explanation on SAR of morphine analogues.
 - (b) Write a note on CYP450.
 - (c) Explain classification of parasympathomimetic agents and SAR of cholinomimetic agents.
 - (d) Define and classify: Adrenergic antagonists.
 - (e) Give SAR of Benzodiazepine and barbiturates.
 - (f) Define and classify: Anti-convulsant agents.
 - (g) Describe the classification of NSAIDs.
 - (h) Write an informative note on Bioisosterism.
 - (i) Give synthesis of ketamine and halothane.