



**JBM-014-003504** Seat No. \_\_\_\_\_

**Master of Pharmacy Management (Sem. V)  
(CBCS) (Batch : 2015-16) Examination**

**December - 2019**

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

**Faculty Code : 014**

**Subject Code : 003504**

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Attempt three questions from each section.  
(2) Questions 1 and 5 are compulsory  
(3) Figure to the right indicates full marks for the respective question.

**SECTION - I**

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|----------|--|-----------|
| <b>1</b> | Explain following terms : (Any Seven)  | <b>14</b> |
|          | (1) Carminatives   |           |
|          | (2) Prokinetics  |           |
|          | (3) IBS  |           |
|          | (4) Wheezing   |           |
|          | (5) Eicosanoids  |           |
|          | (6) Expectorants   |           |
|          | (7) Cough  |           |
|          | (8) Autocoids  |           |
|          | (9) Emesis   |           |
| <b>2</b> | (1) Write a note on Drug-Receptor bonds in detail.   | <b>7</b>  |
|          | (2) Give an informative note on theory of receptors.   | <b>6</b>  |
| <b>3</b> | (1) Enumerate physicochemical properties of drug molecules influencing biological activity. Explain hydrogen bonding and solubility. | <b>7</b>  |
|          | (2) Write a note on adrenergic agents. Give SAR of phenylethanolamines.  | <b>6</b>  |

- 4 (1) Write a note on anti-histaminics. 7  
(2) Write a note on anti-secretary agents. Give synthesis of Ranitidine. 6

## SECTION - II

- 5 Answer the following questions : (Any Two) 14  
(1) Give an informative note on adrenergic receptor antagonists.  
(2) Explain treatment of asthma.  
(3) Define and classify parasympahtomimetics. Give SAR of cholinomimetics.
- 6 (1) Write a note on proton pump inhibitor. 7  
(2) Define: Bioisosterism. Explain it in detail. 6
- 7 (1) Discuss on Eicosanoids biosynthesis. 7  
(2) Explain anti-tussive and mucolytic agents with suitable examples. 6
- 8 Answer the following :  
(1) Write a note on ganglion blocking and neuromuscular blocking agents. 7  
(2) Give synthesis of dicyclomine, adrenaline and diphenhydramine. 6
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