



PPB-014-003504

Seat No. _____

M. P. M. (Sem. V) (CBCS) Examination

November / December - 2018

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) Question no. 1 and 5 are compulsory.
 - (3) Figures to the right indicate full marks for the respective question.

SECTION – I

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|----------|--|-----------|
| 1 | Answer the following questions : (any seven) | 14 |
| | (1) Eicosanoids | |
| | (2) Wheezing | |
| | (3) Redox potential | |
| | (4) Prokinetics | |
| | (5) Asthma | |
| | (6) Autocoids | |
| | (7) Irritable bowel syndrome | |
| | (8) Decongestants | |
| | (9) Carminative | |
| | (10) Cough | |
| 2 | (1) Write a note on adrenergic agents. | 7 |
| | (2). Write a note on types of receptors. | 6 |
| 3 | (1) Give SAR of agents which block the Ach receptors. | 7 |
| | (2) Give synthesis of diphenhydramine and Cetrizine. | 6 |
| 4 | (1) Write a note on bioisosterism and protein binding. | 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) Write a note on cholinergic agents. Give SAR of Acetylcholine agonists.
 - (2) Write a note on anti-diarrheal agents. Give synthesis of omeprazole.
 - (3) Write a note on H₁-receptor antagonist.
- 6** (1) Write a note on antiasthmatic agents. **7**
- (2) Explain anti-tussive and mucolytic agents with suitable examples. **6**
- 7** (1) Explain SAR of phenylethanolamines. Give synthesis of dicyclomine. **7**
- (2) Explain Eicosanoids biosynthesis. **6**
- 8** Answer the following :
- (1) Write a note on hydrogen bonding and optical isomerism. **7**
- (2) Write a note on peptic ulcer. **6**
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