



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

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 Cetirizine.	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 H 1-receptor antagonist.

6 (1) Write a note on antiasthmatic agents. **7**
(2) Explain anti-tussive and mucolytic agents with **6** suitable examples.

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**
