

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY

PARUL INSTITUTE OF PHARMACY

B.PHARM FIFTH SEMESTER · INTERNAL EXAMINATION: 2018-19

Subject Name: Pharmaceutical Chemistry-V (Medicinal Chemistry-I)

Subject Code: 08101301

Time: 10:00 am to 11:30 am

Date: 24/09/18

Total Marks: 25

Instructions:

1. Question 1 is compulsory
2. Attempt any 2 questions from Q.2 to Q.4
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

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|-----|---|----|
| Q.1 | (a) Write SAR of Parasympathomimetics. | 04 |
| | (b) Write synthesis of Ranitidine. | 03 |
| | (c) Explain Hydrogen bonding in brief. | 02 |
| Q.2 | (a) Write SAR of β -Phenylethanolamine class. | 03 |
| | (b) Write mechanism of action of proton pump inhibitors. | 03 |
| | (c) Write a short note on Partition coefficient. | 02 |
| Q.3 | (a) Write a short note on Types of receptors. | 05 |
| | (b) Write synthesis of Propranolol. | 03 |
| Q.4 | (a) Give a brief note on Neuromuscular blocking agents and ganglionic blockers. | 05 |
| | (b) Write SAR of Muscarinic antagonists. | 03 |
