

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY

PARUL INSTITUTE OF PHARMACY & RESEARCH

PHARM.D. THIRD YEAR · FIRST INTERNAL EXAMINATION: 2021-22

Subject Name: Medicinal Chemistry

Subject Code: 08207305

Time: 10:00 am-11:30 am

Date: 30/07/2021

Total Marks: 30

Instructions:

- 1. Make suitable assumptions wherever necessary.**
- 2. Figures to the right indicate full marks.**

I Long Essay. (Answer Any One)

10 X 1 = 10M

1. Write classification of Diuretics. Discuss SAR of Thiazide diuretics.
2. Classify Antihypertensive agents with suitable examples.

II Short Essay. (Answer Any Two)

5 X 2 = 10M

1. Discuss SAR of ACE inhibitors.
2. Write a short note on Anti arrhythmic agents.
3. Discuss SAR of glucocorticoids

III Short Answers. (Answer All)

2 X 5 = 10M

1. Explain the MOA of Carbonic anhydrase inhibitors.
2. Outline synthesis of Metoprolol.
3. Draw the structure and mention numbering of cholesterol.
4. Describe the mechanism of action of ACE inhibitors & calcium channel blockers.
5. Outline synthesis of Furosemide.

******* BEST OF LUCK *******