

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY
PARUL INSTITUTE OF PHARMACY
B.PHARM THIRD SEMESTER

FIRST INTERNAL THEORY EXAMINATION: 2019-20

Subject Name: Pharmaceutical Organic Chemistry-II

Subject Code: BP301T

Time: 10:00 am–11:15 am

Date: 13/08/2019

Total Marks: 30

Instructions:

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

Q.2 Long Answers:(Any One)

- (1) Write a note on evidences in derivatization of structure of benzene and describe it's orbital picture. 10
- (2) A. Justify: Halogens are electron deactivating group but ortho and para directing. 10
B. Write the Friedal craft's acylation reaction with mechanism.

Q.3 Short Answers:(Any Two)

- (1) Write reaction with mechanism: 05
 - A. Kolbe Reaction
 - B. Reimer-tiemann reaction
- (2) Describe Bayer's Strain Theory With Limitations. 05
- (3) Describe Acidity of Aromatic acid, Why Carboxylic acid is Meta Directing, And Deactivating Group. 05
