Enrolment No.

Subject Code: BP301TP

GUJARAT TECHNOLOGICAL UNIVERSITY

B.Ph. - SEMESTER-III • EXAMINATION – WINTER-2020

Date: 18/02/2021

Time	: 02:	Jame: Pharmaceutical Organic Chemistry II 30PM TO 04:30PM Total Marks: 54	
1. 2. 3.	1. Attempt any THREE questions from Q-1 to Q-6. 2. Q.7 is compulsory to attempt. 3. Make suitable assumptions wherever necessary. 4. Figures to the right indicate full marks.		
Q.1	(a) (b) (c)	Write a note on friedel craft alkylation and mention its limitation. Write a note on electrophilic aromatic substitution with general mechanism and explain any one reaction in detail. Write structure and uses of DDT and BHC	06 05 05
Q.2	(a) (b) (c)	Describe a note on Reimer–Tiemann reaction. Justify the following a) Phenol is more acidic than alcohol. b) Aromatic amines are less basic than aliphatic amines. Write structure and use of napthol and resorcinol.	06 05
Q.3	(a) (b) (c)	Explain a note on Haworth synthesis of naphthalene Write a note on diazotization reaction. Write a note Hoffman degradation reaction.	06 05 05
Q.4	(a) (b) (c)	Give detail note on conformation of cycloalkanes Write a note on reaction of anthracene. Write structure and uses of diphenyl methane and phenanthrene.	06 05 05
Q.5	(a) (b)	 Write a note on preparation of phenol Justify the following a) Though halides are electron withdrawing group, they are o-p directing group on benzene. b) Benzene gives electrophilic substitution reaction instead of addition reaction. Detail note on Huckel Rule 	06 05
Q. 6	(a) (b) (c)	Write a note on reaction of benzoic acid Write a note on reaction of fatty acid. Write a note on qualitative test for phenols.	06 05 05
Q.7	(a)	Preparation of aromatic amine. OR	06
	(a) (a)	Detail note on Cannizzaro reaction. OR Write a note on Saponification value.	06 06
