

Name. ....		Printed Pages:01		
Student Admn. No.: .....				
<b>School of Medical and Allied Sciences</b> <b>Summer Term Examination, September 2023</b> <b>[Programme: B. PHARM] [Semester: III] [Batch: Batch: 2020-24]</b>				
Course Title: Pharmaceutical Organic Chemistry-II		Max Marks: 50		
Course Code: BPHT3001		Time:3 Hrs.		
<b>Instructions:</b>	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
<b>SECTION-A (10 Marks)</b>		<b>2 Marks each</b>		
1.	Recall criteria for aromaticity of benzene	CO1	K2	2
2.	Outline preparation of aniline from nitrobenzene	CO2	K2	2
3.	Illustrate significance of saponification value	CO3	K2	2
4.	Illustrate structures of diphenyl methane and triphenyl methane	CO4	K2	2
5.	Recall a method for preparation of cyclobutane	CO5	K2	2
<b>SECTION-B</b>		<b>(16 Marks)</b>		
6.	Develop the general mechanism of electrophilic aromatic substitution reaction of benzene and apply it in nitration of benzene.	CO1	K3	5
7.	Construct chemical reactions of benzoic acid.	CO2	K3	5
8.	Elaborate the qualitative tests for flavonoids.	CO6	K6	6
<b>SECTION-C (24 Marks)</b>		<b>8 Marks each</b>		
9.	Analyze definition, significance and procedure of acid value.	CO3	K4	8
10.	Assess Haworth synthesis of anthracene and phenanthrene.	CO4	K5	8
11.	Appraise chemical reactions of cycloalkanes.	CO5	K5	8