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## DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

## End Semester Examination - Winter 2022

Date: 22/07/2023			
80	nurse t B. Pharmacy Sem:	d Cedet	BP36FF 3 Hr.
ln	1. All questions are compulsory 2. Draw diagrams / figures wherever necessary 3. Figures to right indicate full marks		
Q.	. I. Objective Type Questions (Answer all the questions)		(10 x 2) = 2n
i)	Structure and uses of DDT.		
It)	Define Reichert Meissl Value and give its significance.		
III)	Structure and uses of Resorcinol.		
iv)	Write down qualitative test for phenol.		
v)	Huckle rule for aromaticity.		
vi)	Saponification of oils.		
vii)	Any two reactions of benzoic acid.		
viii)	Structure and medicinal uses of Naphthalene.		
ix)	Any two method for preparation of diphenylmethane.		
x)	Coulson and Moffitt's modification.		
Q. 2.	Long Answers (Answer 2 out of 3)		(2 x 10) = 20
)	Define fats and oils with example and give difference between and saponification value with significance.	en them	Explain acid value,
)	What are condensed polynuclear hydrocarbon. Write down Ha and any two-chemical reaction of it. Draw the structure of der	worth sy	of it along with uses.
)	Explain in detail Friedel Crafts alkylation and acylation in reaction. Give its limitations,		

Q. 3. Short Answers (Answer 7 out of 9)

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 $(7 \times 5) = 35$ 

- i) Explain in detail evidences given by Kekule to establish the structure of benzene.
- ii) Explain reaction and mechanism of nitration, halogenation and sulphonation in benzene.
- Write down about effect of substituents on acidity of phenol. Give synthetic uses of aryl diazonium salt.
- (v) Explain in detail hydrogenation of oils. Give preventive major for rancidity of oils.
- Explain electrophilic substitution in diphenylmethane. Give its uses.
- vi) Give any three reactions of Phenanthrene. Note on derivatives of it.
- vii) Discuss Baeyer's Strain theory.
- viii) Give reactions of cyclopropane and cyclobutane.
- Define ester value give significance and principle involved in its determination.

## ----END OF THE PAPER----