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Seat No.: Enrolm		Enrolment	No	
GUJARAT TECHNOLOGICAL UNIVERSITY B.PHARM - SEMESTER- 2 EXAMINATION – WINTER -2019				
Subject Code: BP202TP Date: 17-1 Subject Name: Pharmaceutical Organic Chemistry I			Date: 17-12-2019	9
Time Instru 1. 2.	e: 10 ictions Atto Mal	:30 AM TO 01:30 PM	Total Marks: 80	
Q.1	(a) (b) (c)	Give the methods for the preparation of carboxylic acid. Explain Aldol and Crossed aldol condensation. Explain classification of organic compounds with example.		06 05 05
Q.2	(a)	Give the structure and uses of (i) Formaldehyde (ii) Paraldehydrate (iv) Vaniline (v) Cinnamaldehydr (vi) Hexamine		06
	(b) (c)	Give the general methods for the preparation of amines. Explain mechanism of (i) Cannizaro reaction (ii) Perkin co	ndensation.	05 05
Q.3	(a)	Discuss classification of alcohols. What happens when they are dehydrogena catalytically?		06
	(b)	Differentiate markownikoff's and anti- markownikoff's rul examples.	es with suitable	05
	(c)	Give the methods of preparation of carbonyl compounds.		05
Q.4	(a)	Give the structure and uses of (i) Dimethyl phthalate (ii) Di Benzoic acid (iv) Ethanolamine (v) Oxalic acid (vi) Amphe	Oxalic acid (vi) Amphetamine.	
	(b) (c)	Define saytzeff's rule with one example. Write note on dines.		05 05
Q.5	(a) (b) (c)	Give in detail on structural isomerisms in organic compound Describe two methods of preparation and two chemical pro- Explain diels-alder reaction.		06 05 05
Q. 6	(a) (b) (c)	Give the mechanism of E_1 and E_2 reaction. Give methods for the preparation of Alkanes. Note on hybridization in alkanes.		06 05 05
Q.7	(a) (b) (c)	How does structure effect the basicity of amines?		06 05 05
