Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III • EXAMINATION - SUMMER 2013

Sub	ject (Code: 132805 Date: 03-06-2013	
Sub	ject]	Name: Organic Chemistry	
Tim	e: 02	2.30 pm - 05.00 pm Total Marks: 70	
Instr			
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
- \	(a)	Fill in the blanks	07
	1.		
		electrons in it are known as	
	2.	The solvent which contains acidic is protic solvent.	
	3.		
	4.	Ketone when reacted with sodium nitroprusside solution gives	
	5.	£ ————	
	6.		
	7.	The distance between the two different elements, groups etc. joined with each other is called	
	(b)		07
Q.2	(a)	· · · · · · · · · · · · · · · · · · ·	07
		each.	
	(b)	Write a note on Anthracene.	07
	a >	OR	07
	(b)	Write a note on Solubility and explain the importance of protic and nonprotic solvents.	07
O 3	(a)		07
Q.3	(a)	detail about Sublimation and different type of Crystallization.	U /
	(h)	What is Aromaticity? Explain aromaticity in heterocyclic compound.	07
	(6)	OR	07
Q.3	(a)	Explain in brief about the purification of liquid organic compound write in	07
	()	detail about Steam and Vaccum distillation.	
	(b)	Explain preparation, properties and uses of carboxylic acid and ester.	07
Q.4	(a)		07
		Electromeric and Mesomeric effect.	
	(b)	Explain isomerism in Lactic and Tartaric acid.	07
		OR	
Q.4	(a)	•	07
		Isomerism.	
~ -	(b)	Write in detail about Aldehydes and Ketones.	07
Q.5	(a)		07
((b)	· · · · · · · · · · · · · · · · · · ·	07
		Optical resolution, and Meso compound.	
0.5	(2)	OR Write proporation proporties and uses of Parrole and Paridine	07
Q.5	(a)		07
	(b)	Write a note on Polynuclear Hydrocarbon. Shows the importance of Naphthalene in synthetic dyes intermediate formations vide preparation and its	07
		properties.	
		properties.	
