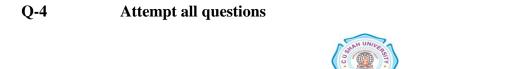
	E	nam4 Na		E	ome Cook No.					
	Enrollment No: Exam Seat No: C.U.SHAH UNIVERSITY									
	Summer Examination-2019									
	Subject Name: Industrial Chemistry - III									
	Subject Code: 4SC06IDC1				Branch: B.Sc. (Chemistry)					
	Semeste	r: 6	Date: 02/05/	/2019	Time: 10:30 To	01:30	Marks: 70			
	(2) (3)	Use of Pro Instructior Draw neat	grammable calculatons written on main an diagrams and figures and tigures at the details and the deal of the deal	swer book are s s (if necessary)	trictly to be obeyed	-	ited.			
Q-1	a) b) c) d) e) f) j) k)	 b) Which plasticizers are used in the manufacturing of varnishes? c) Give any three examples of military explosives d) How cordite is prepared? e) What is pigment value concentration (PVC)? f) Write the constituents of white pigments used in the paint. g) What is the role of antioxidants materials in production of crude rubber? h) Which constituents are used in exterior house paints. i) Write the composition of blasting dynamite. j) Complete the following reaction 2CH=CH k) Give the preparation and uses of cyclo rubber. 								
Atte	empt any	four ques	tions from Q-2 to Q	-8						
Q-2	a. b.	Discuss	t all questions the pigments with su the manufacturing pr	_		te labeled	(14) 07 07			



Discuss the requirements of good paints in detail. Write characteristics of explosives.

Attempt all questionsWrite a note on emulsion paints.

Q-3

a.

b.

c.

(14) 05

05

04

(14)

	a.	What is explosive? Classify it and Discuss any two types with suitable examples.	07
	b.	Write the preparation and applications of single compound explosives.	07
Q-5		Attempt all questions	
	a.	What is propellant? Write classification of propellants.	07
	b.	Discuss rocket propellants and characteristics of a good propellant.	07
Q-6		Attempt all questions	
_	a.	Explain: the techniques of vulcanization in detail.	05
	b.	Write a note on Gutta percha.	05
	c.	Give the drawbacks of raw rubber.	04
Q-7		Attempt all questions	(14)
	a.	Discuss the processes performed to obtained crude rubber products.	07
	b.	Explain viscosity, viscosity index and volatility tests carried out on lubricants.	07
Q-8		Attempt all questions	(14)
-	a.	Discuss about lubricant emulsions.	05
	b.	Explain in brief: Substances used as lubricants.	
	c.	Write a short note on selection of lubricants.	04

