Q.P. Code: 16HS604			R16
Reg.No:			
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS) B.Tech I Year I Semester Supplementary Examinations December 2018 ENGINEERING CHEMISTRY (Common to ECE,CSE,CSIT) Time: 3 hours Max. Marks: 60			
(Answer all Five Units 5 X 12 = 60 Marks) UNIT-I			
1	a.	Define fuel cell. Explain the construction, uses and disadvantages of M Dxygen fuel cell. OR	Aethanol- 12M
2	a. b.	Define Corrosion. Discuss in detail about electrochemical or wet corrosion. UNIT-II	2M 10M
3	a.	Explain Ion exchange process. Give its regeneration process and write advantages and disadvantages? OR	the 12M
4	a. b.	What is Calgon conditioning? Give a brief account on boiler troubles. UNIT-III	2M 10M
5	a. b.	Write a note on synthetic petrol by Fischer-Tropsch process? Write a short note on Flash and Fire point? OR	7M 5M
6	a.	Describe the method employed for the refining of petroleum with a ne UNIT-IV	at sketch. 12M
7	a. b.	What is a polymer? Explain the processing of natural rubber, vulcanization and comp ubber. OR	2M bounding of 10M
8	a.	Distinguish between Thermoplastics and thermosetting plastics.	6M
	b.	Write the preparation, properties and uses of Buna-S rubber and Buna-	-N rubber? 6M
UNIT-V			
9	a.	What are Refractories? Explain the classification, properties and failur Refractories.	res of 12M
10	a. b.	OR Explain in detail about setting and hardening of Portland cement. Write a short note on properties and applications of Fullerenes hanotubes? *** END ***	5M and carbon 7M