



15.	(a) How can you determine pH of unknown solution by using Quinone – hydroquinone electrode. (b) Describe the construction and working of a lithiumion battery. [5+5]	L1 L3	CO2 CO2
	OR		
16.	(a) Write a note on electro chemical corrosion by absorption of oxygen type mechanism? (b) Explain about cathodic protection. [5+5]	L2 L1	CO2 CO2
17.	Explain the factors affecting the rate of corrosion. [10]	L1	CO4
	OR		
18.	Write in details about Sacrificial anode and impressed current cathodic method. [5+5]	L1	CO4
19.	Write the coal analysis by proximate analysis and its significances. [10]	L2	CO3
	OR		
20	Write the composition and applications of CNG and LPG. [5+5]	L1	CO3