



	(b) Derive Nernst equation? [5M]		
	OR		
16	(a) What are Secondary Batteries? Explain their working with Suitable example? [5M] (b) Explain about fuel cells and mention their applications. [5M]	3	L2
17	(a) Write a note on cathodic protection. [5M] (b) Explain the factors effecting rate of corrosion. [5M]	4	L2
	OR		
18	Explain the mechanism involved in wet corrosion. [10M]	4	L2
19	(a) Explain determination of Nitrogen in Ultimate analysis of coal. [5M] (b) Explain which parameters are determined in proximate analysis. [5M]	5	L2
	OR		
20	(a) Describe the fractional distillation of Petroleum. [5M] (b) What is synthetic petrol? Discuss any one method to prepare synthetic petrol. [5M]	5	L2