



	(b) Derive Nernst equation. [5M]		
	OR		
16	(a) What are Secondary Batteries? Explain their working with Suitable example? [5M] (b) Explain about H ₂ -O ₂ fuel cell. [5M]	3	L2
17	(a) Define corrosion. Explain Galvanic corrosion. [5M] (b) Explain sacrificial anodic cathodic protection method. [5M]	4	L2
	OR		
18	(a) Explain Waterline corrosion. [5M] (b) Explain the mechanism of pitting corrosion with a suitable example. [5M]	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