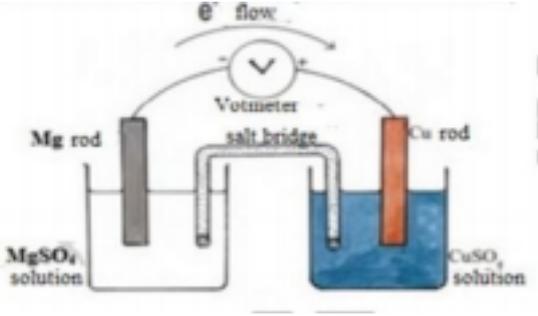


DEPARTMENT OF GENERAL EDUCATION
DIET ERNAKULAM
VAIBHAVAM 2021
SSLC ACADEMIC SUPPORT
Chemistry

Qn. No.	Scoring Indicators	Split Score	Total
1	Distillation	1	1
2	Roasting	1	1
3	a. In its solid state ions have no freedom of movement	1	1
4	Salt bridge	1	1
5	Ore	1	1
6	Cations	1	1
7	Hall-Heroult Process	1	1
8	1. Iron dipped in CuSO_4 solution	1	2
	2. Iron is more reactive than copper	1	
9	a. Alnico	1	2
	b. Nichrome	1	
10	a. CO	1	2
	b. A-CaO B-CaSiO ₃	1/2 1/2	
11	a. $2\text{Cl}^- \rightarrow \text{Cl}_2 + 2e^-$	1	3
	b. Cl_2	1	
	c. Na	1	
12	1. Production of metals 2. Production of non metals 3. Production of compounds 4. Refining of metals (Any 3 answers)	1 1 1	3
13	Ore particles are heavier than impurities-Levigation-Ore of gold	1	3
	Ore particles are lighter than impurities-Froth flotation-Zinc sulphide	1	
	Magnetic property-Magnetic separation-Tin stone	1	

14		3	4
	b. Anode -Mg Cathode-Cu	1/2 1/2	
15	a. Cryolite is added to alumina to reduce its melting point and also to increase its electrical conductivity.	1	4
	b. Al_2O_3	1	
	c. $\text{Al}^{3+} + 3\text{e}^- \rightarrow \text{Al}$ $2\text{O}^{2-} \rightarrow \text{O}_2 + 4\text{e}^-$	1 1	