

SSLC EXAMINATION MARCH 2022 – CHEMISTRY ANSWER KEY EM

Sl.No	Answer Indicators	Score
1	C ₂ H ₂	
2	3d	
3	Leeching	
4	H ₂	
5	6.022X10 ²³	
6	Rate will be equal	
7	Sodium	
8	1	
9	Cathode	
10	a. Ammonia , Hydrochloric Acid (NH ₃ , HCl) b. NH ₄ Cl $\xrightarrow{\text{Heat}}$ NH ₃ +HCl	
11	No: of Moles $=\frac{44.8}{22.4} = 2$ Mole Mass = 2 x Molecular mass of Ammonia =2 x 17=34	
12	a. It is the process of plating a metal onto the other by applying electricity b. CuSO ₄ Solution	
13	a.1S ² 2S ² 2P ⁶ 3S ² 3P ⁵ b.Group Number =17 Period Number=3	
14	a. Pig Iron b. Alnico c. Difference in chemical properties by varying the the proportions of components	
15	a.Amount of product increases b.Amount of product increases c. Amount of product increases	
16	a.CH ₄ +2O ₂ ---> CO ₂ +2H ₂ O+ Heat b. Polymerisation c. for coating in non - stick vessels	
17	a. ii) and iii) b.Functional Isomerism c. 1	
18	a.In Cylinder A Pressure is low and in Cylinder B Pressure is high b.Boyle's Law	

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	c. 1 atm	
19	a. Fe ₂ O ₃ b. CO c. Mixture of flux and gangue d. CaO + SiO ₂ → CaSiO ₃	
20	a. 5 b) Methyl c. 2 d. 2-methyl pentane	
21	a. Contact process b. V ₂ O ₅ (vanadium pentoxide) c . Sugar turns into black colour - Dehydrating nature of sulphuric acid	
22	a. CH ₃ COOH b. CH ₃ -COO-CH ₂ -CH ₃ c. CH ₃ -CH ₂ -OH d. C ₁₂ H ₂₂ O ₁₁	
23	a) Mn= 1S ² 2S ² 2P ⁶ 3S ² 3P ⁶ 3d ⁵ 4S ² b) d c) Transition element d. +4 e. Mn ²⁺ = 1S ² 2S ² 2P ⁶ 3S ² 3P ⁶ 3d ⁵	
24	a. Chemical energy → Electrical energy b. Zn c. Zn → Zn ²⁺ + 2e ⁻ c. Anode -Zn e. Zn + Cu ²⁺ → Zn ²⁺ + Cu	