Website:-https://www.arjun00.com.np

Council for Technical Education and Vocational Training

Office of the Controller of Examinations

Sanothimi, Bhaktapur

Regular/Back Exam-2079, Phagun/Chaitra

Full Marks: 60

Progr	am:	Engineering All	Full Mark	s: ov	
Year/Part: Website :- Subject:		I/II (2021) https://www.arjun00.com.np	Pass Marks: 24 Time: 3 hrs.		
		Engineering Chemistry II			
		required to give their answers in their own words as it argin indicate full marks.	far as practical	ble. The	
Atte	mpt <u>Al</u>	LL questions.			
1.		hard water. How can you remove hardness mutit process?	of water	[1+3]	
2.		How can you manufacture ammonia by Haber's process? [4] Explain.			
3.		n Ostwald's process of manufacture of nitiple and diagram only).	ric acid	[4]	
4.		do you mean by chemical fertilizer? Explain i haracteristics of fertilizers.	ts types	[1+3]	
5.	labora	can you prepare chlorine gas by applying heatory? What happen when chlorine read gen and ammonia? Website :- https://www.	ts with	[2+2]	
6.	How happe	can you prepare HCl gas in the laboratory en when HCl reacts with ammonia and AgNO:	? What	[2+2]	
7	What H₂SO	are the oxidizing and dehydrating prope	rties of	[4]	
OR					
	manu	in the principle and well labelled diag facture of H₂SO₄ by contact process.		[2+2]	
8.	Struct	do you mean by allotropic of carbon? Expure of diamond.		[1+3]	
9.	aria	do you mean by alloys? Distinguish betweer non-metals.		[1+3]	
10.	4505	in the chemical properties of sodium. What of aluminum.		[3+1]	
11.	What zinc	are the properties of calcium? Mention the	uses of	[3+1]	

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What do you mean by plumbosolvency?	[]
 What do you mean by saturated hydrocarbon? Explain the properties of methane. 	[1+3]
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How does vital force theory decline? What do you mean by homologous series? Explain its characteristics.	
14. What do you mean by Markonikov's rule and peroxide effect? Explain with examples.	[4]
15. Write short notes on: (any <u>TWO</u>) a. Chemical Properties of Representations	[2×2]
 b. Aliphatic and Aromatic Compounds c. Polythene 	

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Good Luck!