[37]

SARDAR PATEL UNIVERSITY



T.Y. B.Sc. Industrial Chemistry SEMESTER – V EXAMINATION -2022 Chemical Process Industries SUB CODE: US05CICH23

DATE: 12/11/2022

TIME: 10.00 AM TO 01.00 PM

DAY: Saturday TOTAL MARKS: 70

Q. 1	Choo	<u>.</u>	[10]		
(1)	Ąmm	onia Synthesis gas is pass through a filter	to rer	nove.	
	(A)	Compression oil	(C)	H₂S	
	(B)	N ₂	(D)	None of these	
(2)	After blending iodized salt will contain 0.01% of				
	(A)	Sodium thiosulfate	(C)	Potassium lodide	
	(B)	Sodium carbamate	(D)	None of these	
(3)	Which inorganic Chemicals cause in reduction in Ozone layer?				
	(A)	lodine	(C)	Chlorine	
	(B)	Fluorocarbon	(D)	Methane	
(4)	Caus	tic soda has chemical formula			
• •	(A)	Na ₂ CO ₃	(C)	NaCl	
	(B)	NaHCO ₃	(D)	NaOH	
(5)					
• •	(A)		(C)		
	(B)	Recovery process	(D)	Centrifuge process	
(6)	NaO	Cl is Strong agent		·	
	(A)	fuming	(C)	Bleaching	
	(B)	Reducing	(D)	blending	
(7)					
• •	(A)	100	(C)	4100	
	(B)	1000	(D)	800	
(8)	(2)				
1-1	(A)	Light	(C)	Transformation	
	(B)	Heat	(D)		
(9)		by the action of			
	(A)	CO ₂	(C)		
	(B)	H ₂ S	(D)	кон	
(10)		iple-Superphosphate has			
1-01	(A)	10	(C)	90	
	(B)	17	(D)	62	
	1-1	~ ·	1-1		

Q.2	Answer the following.(attempt ten)					
(1)	Write the use of ammonia.					
(2)	Write action of Urea as Fertilizer.					
(3)	Give	Give the use of lodine.				
(4)	Give	Give the application of Oxygen Gas.				
(5)	Writ	Write the different electric Cell use in manufacturing of NaOH.				
(6)	Write the use of Hydrogen gas.					
(7)	Explain Advantage of electric furnace.					
(8)	Give the source of magnesium material.					
(9)	Write the application of SIC.					
(10)	Enlist row material require for manufacturing of superphosphate.					
(11)	Define: Insecticide, Fungicide.					
(12)	What is pesticide?					
Q.3	(A)	Write the Manufacturing process of Urea.	[05]			
	(B)	Give the process of Calcium ammonium nitrate.	[05]			
		OR				
Q.3.	(A)	Write the process of ammonium Nitrate.	[05]			
	(B)	Write the help of flow diagram explain the manufacturing of fluorocarbon.	[05]			
Q.4	(A)	Write the manufacturing process of NaOH by using Diaphragm Cell.	[10]			
	(,	The state of the s	[TO]			
Q.4	(A)	Explain Production of Na ₂ CO ₃ by Solvay Process.	[10]			
Q.5	(A)	Explain the Classification of electric furnace.	[05]			
	(B)	Discusses the manufacturing process of synthetic graphite.	[05]			
Q. 5	(A)	Explain process of H ₂ O ₂ Production process.	fort			
Q, 3	(B)	Give the production detail of KMNO ₄	[05]			
	101	Give the production detail of Mymog	[05]			
Q. 6	(A)	Write the help of flow diagram explain the manufacturing of Triple superphosphate.	[05]			
	(B)	Write the short note on Ammonium Phosphate.	[05]			
	-	•	• •			
Q. 6	(A)	Explain Wet process of Phosphoric Acid.	[05]			
	(B)	Write in detail about Pesticide.	[05]			
		✓	-			