

# SILVER OAK UNIVERSITY EDUCATION TO INNOVATION

	Date :
Name:	Padel Chemdra: I har mande of the
En no:	2202030230005 11 Com 1
Subi-	CPTO Assignmenting groups 3
- C / 10/	and of the state o
(1)	How chemical industries contribute.
	to the economy of indias
	The chemical industries has a
	significant disject impact on the
	economy through its contribution
bioro	TO SOOSS clomentic Product (MDP)
	employment and national compet-
u u	itiveness: Marial mational compet-
1797-c	
->	The chemical industry is a very
110	impositant constituent at the goving
	andian economy andoit is the main
. 9	development of the country
	development of the country
	Providing sexande building blocks
nhad	sand saw materials for number
Ditonitor	woof sindustaies wincluding textiles.
(Y11/9/0V	Apaper rand pulpingains and
75 etc.	adyen-bindermedicatebassocie and
	de tengent, cianochemical et
-ist	oboutour Indicate chaminal (vi)
-	rindian-ichemical industries
3/2	cincluding festilizers and phasma.
moving.	conticula) size stemds \$163 Billion
(YY)/med	10100 2017-18: its mark is 6th
	Position in would and ut in usid.



ज्ञानं परमं भूषणम्	EDUCATION TO INNOVATION  Date :
->	
13	is a major industry in the
3	indian economy and as of 2022
	contaibute +1. of the country's
960	moss domestic product (CDP).
	Emilian for proprione south of
(2)	classiff the chemical industries.
<b>→</b>	(i) inorganic industry 5
morte	Products :- Titernium oxide,
9000	sody ash go HCL, sulturic acid,
199111	ecustic soda chlonine,
	courbon black etermin
1-15	(ii) conganicamindustry on (i)
Provide	products 3- 1 acetomer phenoli
	· or ciniliners chlonomethanes.
ord Hor	Acetic acide methane rete.
	posterios outras lugrasonianas 3
	(iii) Petnochemicals industry:-
	Petrochemical products include
0.9/16	Planticonstitublens, resims, synthatic
<u> </u>	Petroleum
lon	derived points and coatings etc.
Mike	o solerived points of and cootings etc.
	ix) Festilizes ebennical industry:-
	Products: uneq; diammonium-
200080	10 Phosphate (DAP) 1 55P2 single
11/181	Super phosphate (AN) ammonium
^	nitacte (CAN) colcium ammonium
10/11/17	mitauteno etcora mi mitiano



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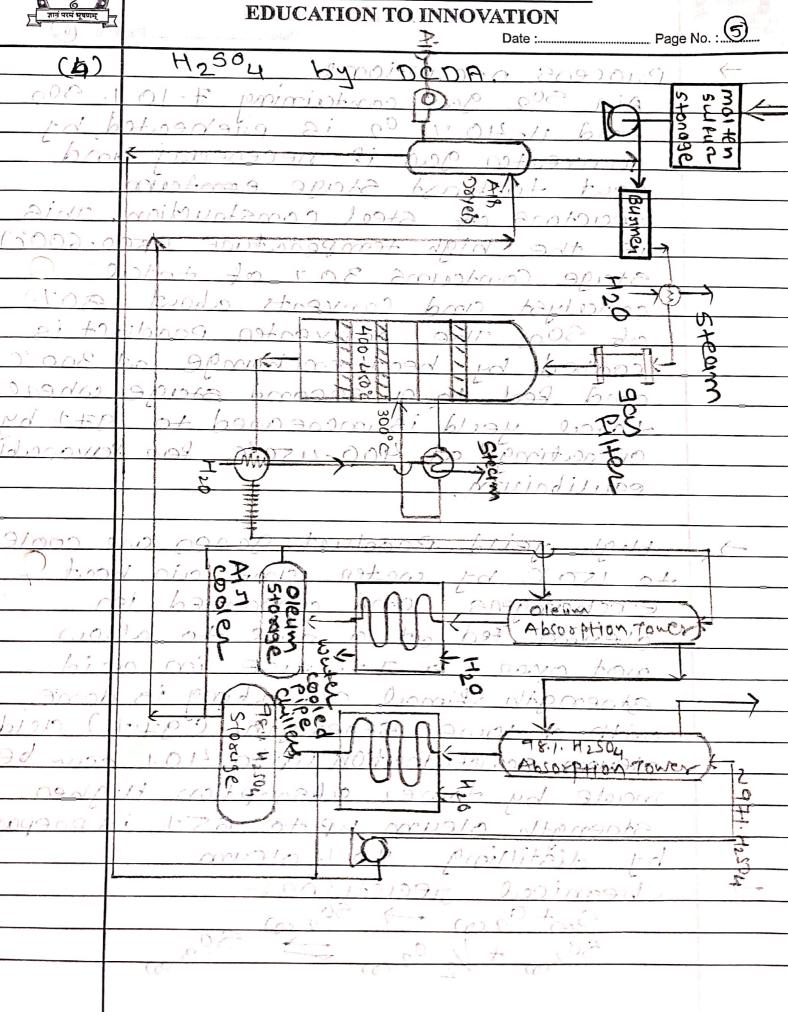
## **EDUCATION TO INNOVATION**

ज्ञानं परमं भूषणम्	Date :
mon,	(V) Agarchemical impluntarion
barre	Products: insecticides; heabicides.
.97/	fungicides, nemodicides, ete
	692000 Para 1/01
(3)	List out requisites for the selection-
	of sow materials for the paper
$\bigcirc$	industries, readil states (iii)
	The requisites cut any cellulose.
MILL ONC	Jan moderial for the paper
	industry enc =
7.0 /	id comble supply and the
mat	(1) available to 1/4 he pulp meal
	(iii) should not damage in stonage
align As	(iv) high yeild of quality fibre.
orn n	(vom écréable of béing collectéd
	moundalistaged I'm al small and never
17 1 1 1	milandratamapping ted soin sociation and
trail	(vis) quality of paper is competedive
	000
<del>)</del>	Poeper production required a
- PCV	clistengration at arbulky Pibagais
120200113	materical to implividual or small
- <del></del>	cugglomanate fibres attion
	The ideal fibre for high great
	Paper should be long high in cellulose content and low in
	lignin contents.
	$\frac{1}{3}$

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ज्ञानं परमं भूषणम्	EDUCATION TO INNOVATION  Date:
(5)	white down surum sources from
	which the 50 m can be obtained.
->	500 can be obtained from the
	following sounces
mo 140 9	
. 5	29 (11) a Pynisten word from Jes
	(iii) waste Hasourgintanton
9.0	ALCIVA HOSO SONACEDIAINEDON DAT 1- 7
	(V) Cast, zns pps mospo Csmelter
	= One ropantoni Somees)
<del>&gt;</del>	suppyor sources = combastion of
	sulphur yeildotreits/pane 502
	notiverilla expressioned a outgo till atton
90000	ta and strainers from bunda (iii)
917	VIA MILLOUP DO HIER NOIN (VI)
12.94	scoonte Masous- resourchanning
109/	rando steels picklossigaiorano and
femo	Hosou Room Petroleum netinary
Witnof 90	operations nouveelesto recover
	502
	10 00011118017 Wolfs whomas 10000
7000	H25 sounces - H25 is necover by
00.00	ascrabbing brasion fuel and retinery
	gas with ethanalmine forlowed
Do	orby what stripping anabi our
	withing poor on blands was
$\alpha$	24251430/2000 250214,24201



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ज्ञानं परमं भूषणम्	Date:Page No.:
$\rightarrow$	Process secriptions.
<u> </u>	A10 502 ges contemna 1-10. 502
,	and 11-40 % of is preheated by
	conventer our if necessary and
	sent to first stage contain
	reactons of steel construction. This
	is the high temperature (500.600c)
	Steige Conteins 30% at total
1 92	cortalyst and convents about 80%.
	of 500. The conventer product is
	cooled by head exchange ad 300°C.
	and feel to a second stage where
	total yould is increased to 97% by
	openating at 400-450°C for ferronable
	eguliboium,
->	High yeild Pasolued gases are cooled
	to 150°C by wester and air head
7	exchangers and absorbed in
	aleran ted ad a nate to allow
	not over a 71. rise in acid
	strength final saubbing is done
	with a lower strength (197.1.) acid
	oleum concentration up to 401. can be
	made by tower absorption. Higher
	strength oleum up to 65% is prepared
	by distilling 201. oleum.
<del>-</del> 7	Chemical recetions:- Conyden
	$\frac{5_{(3)}+0_{2(3)}}{5_{(3)}} = \frac{50_{2(3)}}{5_{(3)}} = \frac{50_{2(3)}}{5_{(3)}}$
	Chemical recutions: Conyden  Sight Ozian - 502 in 503 in 5
4	