AR-583

(iii) Ester value.

5.

	(i) — is the measure of decrease in value of a property with time.				(iv) Define rate of interest.
	(a) Profit (b) Depreciation				UNIT I
	(c) Interest (d) None of these (ii) Edible oil is chemically bleached		2.	(a)	Explain the manufacturing process of ammonia with flow chart.
· · · · · · · · · · · · · · · · · · ·	(a) Fuller earth (b) China clays			(b)	Draw and explain manufacturing process of superphosphate.
	(c) Bentonite (d) Chlorine (iii) For the production of sulfuric acid the			(c)	Explain manufacturing process of chlorine.
	cheap catalyst is used is ——. (a) V_2O_5 ; (b) Fe;				OR
•	(c) Z_nO ; (d) CO_2		3.	(p)	Draw and explain manufacture of ammonium nitrate.
	(iv) NaCl (salt) is produced by ——. (a) Solar evaporation of sea water.	•		(q)	Explain manufacturing process of triple super-phosphate. 4
	(b) Mining of rock salt.(c) Well brines.			(r)	Give major engineering problems of caustic soda and chlorine production.
(a)	(d) All of these. 2 Answer in one sentence.				UNIT II
(c)	(i) Why ammonium nitrate is coated with clay?		4.	(a)	Discuss the manufacturing process of calcium carbide with diagram.
	(ii) Define saponification value.				Carolice with thagrain.
AR -583	2		ÅR	-583	P.T.O.

	(q)	Explain the refining of crude vegetable oil.
		UNIT IV
8.	(a)	Draw and explain manufacture of ethanolamine.
	(b)	Discuss the manufacturing process of vinyl acetate.
	(c)	Describe Fisher–Tropsch synthesis with flow chart.
		OR
9.	(p)	Discuss the chlorination of methane with major engineering problems.
	(q)	Describe the manufacturing process of isopropanol with flow chart.
	(r)	Draw and explain manufacturing process of acetylene with its uses.
		UNIT V
10.	(a)	Explain the manufacturing process of carbon dioxide and liquification of CO ₂ with diagram.
4 D	#02	5 D.T.O.

	(b)	Give an account of chemical safety and
		hazards in petro chemical industries. 6 OR
		OR
11.	(p)	Explain the manufacturing process of nitrogen and oxygen with its uses. 6
	(q)	Give an account of hazards in storage and handling of chemicals.
		UNIT VI
12.	(a)	Discuss simple and compound interest. 4
	(b)	Describe factors attaching investment and production cost. 4
	(c)	Explain rate of return method of profitability evaluation. 4
		OR
	(p)	Explain cumulative cash position. 4
	(q)	Discuss the following terms:-
		(i) Service life.
	,	(ii) Salvage value. 4
	(r)	Discuss the straight line method for depreciation.