Industrial Chemistry, Examination Nov- 2014 B. Sc. Semester-III

Paper-IC-303: Heavy and Fine Chemicals & Catalyst-I Subject Code: 3797

Time: 2 Hours			tal Marks: 70	
Que.1	(A)	How NH ₃ was industrially manufactured?	10	
	(B)	What are the fullerenes?	04	
		OR	٠.	
Que.1	(A)	Discuss industrial production of phosphoric acid by strong acid process.	10	
	(B)	What is industrial carbon? Explain it.	04	
Que.2	(A)	Explain production of bromine with flow sheet diagram.	10	
	(B)	Give application of KCl in chemical process industry. OR	04	
Que.2	(A)	With suitable sketch explain production of phosphorus by Furness process.	10	
	(B)	State toxicity of bromine on human.	04	
Que.3	(A)	How industrially ammonium sulphate is prepared? Explain with flow sheet diagram	10	
	(B)	Give a uses of borax.	04	
		OR		
Que.3	(A)	Give industrial production of NaCl by solar evaporation of sea water.	10	
	(B)	Give an application of sodium chloride.	04	
Que.4	(A)	Write a manufacturing of fluorine with neat sketch.	10	
	(B)	What is homogeneous catalyst? Give example. OR	04	
Que.4	(A)	Write a not of promoters and inhibitors	10	
	(B)	What are catalytic poisons?	04	
Que.5	(A)	Defined the term "catalysis" with examples. Explain its characters.	10	
	(B)	What are contact masses? Give examples.	04	
		OR		
Que.5	(A)	Write a mechanism of catalytic reaction	10	
	(B)	Give properties of contact masses.	04	