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

Paper- IC-301: Material Science-I

Subject Code: 3795

Time: 2 Hours Total			<u> Marks: 70</u>	
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Que.1	(A)	Describe the carbon steel production.	10	
	(B)		04	
		OR		
Que.1	(A)	Describe the production of phosphorus pentoxide.	10	
	(B)	List out minerals of aluminium.	04	
Que.2	(A)	How industrially phosphoric acid is manufactured by electric furnace method?	10	
	(B)	Write the classification of fuels in detail. OR	04	
Que.2	(A) (B)	Give industrial production of soda ash with flow sheet diagram. Discuss properties of steel alloys.	10 04	
Que.3	(A)	Write a note on production of sulphur.	10	
	(B)	Give an industrial application of caustic soda. OR	04	
Que.3		Discuss industrial production of calcium carbide.	10	
	(B)	Discuss about the micro constituents in aluminium alloys.	04	
Que.4	(A)	Explain industrial production of nitric acid by ammonia oxidation process.	10	
	(B)	Write a note on gaseous fuels. OR	04	
Que.4	(A)	Discuss about the oleum production by contact process.	10	
	(B)	Which factors are considered for selecting particular fuel?	04	
Que.5	(A)	How synthetic graphite is produced from natural graphite? Give application of graphite.	10	
	(B)	Write about calorific value and heat units of fuels. OR	04	
Que.5	(A)	Write a note on solid fuels.	10	
	(B)		04	
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