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B.Sc. (Part-I) Semester-I Examination

1S: INDUSTRIAL CHEMISTRY (R/V)

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OR

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(c) Explain in detail Biomass energy.

	(b)L	www.FirstRanker.com www.FirstRanker.com	ker.com
		(1) Latent heat of vaporization.	
		(2) Latent heat of sublimation.	
		(3) Latent heat of fusion.	
		(4) Heat of Reaction.	4
	(q)	What are the uses of Solar energy? How is it used in heating water?	4
	(r)	Explain tidal power.	4
		UNIT-IV	
8.	(a)	Describe Ultimate Analysis of Coal.	4
	(b)	Give an account of origin of Petroleum.	4
	(c)	Describe distillation of coal tar.	4
		OR	
9.	(p)	Discuss mining of Petroleum.	4
	(q)	Explain manufacturing of water gas with diagram.	4
	(r)	Write in brief on different types of coal.	4
		UNIT-V	
10.	(a)	Write in brief filmwise and dropwise condensation.	4
	(b)	State and explain Fourier's law.	4
	(c)	Explain conduction modes of heat transfer.	4
		OR	
11.	(p)	Explain the phenomenon of pool boiling.	4
	(q)	Write a brief account on force and free convections.	4
	(r)	What are heat exchangers? Explain parallel heat exchanger.	4
		UNIT-VI	
12.	(a)	Explain U-tube manometer and Pitot tube.	6
	(b)	Describe construction and working of reciprocating pump.	6
		OR	
13.	(p)	Describe orifice meter on the basis of construction and working.	6
	(a)	Explain Reynold's number with Reynold's Experiment.	6

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