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GUJARAT TECHNOLOGICAL UNIVERSITY B.PHARM - SEMESTER- 3 EXAMINATION – WINTER -2019

		Date: 19-11-2019	
Time Instrue 1. 2.	: 10: ctions Atte Mak		Fotal Marks: 80
Q.1	(a) (b) (c)	Classify the types of fluid flow & Explain Reynold's number Discuss the experiment of Orifice meter. Write a note on Transportation of fluids.	. 06 05 05
Q.2	(a) (b) (c)	Explain Bernoulli's Theorem in detail. Derive corollary of Dalton's law and Amagat's law. Enlist different types of valve. Describe check valve.	06 05 05
Q.3	(a) (b) (c)	blain heat transfer by forced convection in laminar and turbulent flow. cuss the applications of gas laws. blain briefly Bucket type steam trap.	
Q.4	(a) (b) (c)	Differentiate Venturimeter and Rotameter. Write the applications of heat transfer. What is Radiation-Black body? Differentiate Absorptivity & Emmisivity.	
Q.5	(a) (b) (c)	Write a short note on Solid mass transfer. Describe with diagram Centrifugal pump. Explain briefly study of steam table.	
Q. 6	(a) (b) (c)	Discuss the method for Liquid handling. Explain Colour coding Pipelines in Material Handling system. Write the general principles of Stoichiometry? Explain Tie substances.	
Q.7	(a) (b) (c)	Write a short note: Corrosion. Discuss the Concept of boundary layers. Explain basic equations of fluid flow.	06 05 05
