	GUJARAT TECHNOLOGICAL UNIVERSITY M. E SEMESTER –IV • EXAMINATION – SUMMER • 2014			
	Su	bject code: 744301 Date: 04-06-2014		
	Su Ti	bject Name: Offshore structures me: 02:30 pm - 05:00 pm Total Marks: 70 structions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.		
Q.1	(a)		04	
0.2	(b)		10 07	
Q.2	(a) (b)	51	)7	
	(0)	OR	,,	
	(b)	Give Morrision equation for effect of relative motion and effect of pile diameter. 0	07	
Q.3		What do you understand õDynamic modelö of offshore structure?1	14	
		OR		
Q.3		Explain about different types of piles used in the foundation of offshore structure. 1	14	
Q.4		How will you install jacket tower? Explain about floor systems adopted on jacket tower. 1 OR	14	
Q.4		Draw schematic diagrams for crossing pipelines. Enlist & explain installation methods 1 of pipeline.	14	
Q.5	(a)		07	
	<b>(b)</b>		07	
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Q.5	(a)	5	07	
	(b)	Explain õPoint to be considered for design basis document for offshore pipelineö. 0	07	