Seat No.: En	nrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

ME – SEMESTER IV (NEW) – • EXAMINATION – SUMMER 2016

	•	ect Code: 2741403 Date:04/05/2010 Date:04/05/2	Date:04/05/2016	
	Time	e: 10:30 am to 01:00 pm Introductions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.	0	
Q.1	(a) (b)	What does infrastructure mean? Describe various characteristics of infrastructure. How do you see the role of construction management for effectiveness of infrastructure projects?	07 07	
Q.2	(a) (b)	Explain rural and urban infrastructure with suitable example. Enlist and explain various types of PPP model and contractual structure with suitable example.	07 07	
	(b)	OR Discuss the integrated frame work for successful infrastructure planning and management with suitable example.	07	
Q.3	(a) (b)	Describe the procurement and life cycle of PPP process. Write short note on: (1) Value for money (2) Benefits of infrastructure privatization	07 07	
		OR		
Q.3	(a) (b)	Discuss risk analysis technique & risk management mitigation strategy. Explain various problems and challenges of infrastructure privatization with context to India.	07 07	
Q.4	(a) (b)	Explain the challenges in construction and maintenance of infrastructure. Discuss capacity building and improving the government role in infrastructure implementation.	07 07	
		OR		
Q.4	(a) (b)	Discuss various legal and contractual issues in infrastructure project Write short note on: (1) Infrastructure project finance (2) Economic and demand risk	07 07	
Q.5	(a) (b)	Describe sustainable contacts for infrastructure projects with suitable example. Explain key planning phases of infrastructure project for mitigation of risks. OR	07 07	
Q.5	(a) (b)	Discuss about negotiation with multiple stack holders for infrastructure projects. Write short note on: (1) Special economic zone (2) Power sector	07 07	
