## **GUJARAT TECHNOLOGICAL UNIVERSITY** ME- SEMESTER II– EXAMINATION – SUMMER 2015

			Date: 03/06/2015	
Ti	me: 2 tructio	Attempt all questions. Make suitable assumptions wherever necessary.	70	
Q.1	(a) (b)	Explain different stages of life cycle analysis. Explain data required to be collected for transportation infrastructure project.	07 07	
Q.2	(a) (b)	Which are the different types of risk involved In the Infrastructure Engineering projects? Explain the Environmental risk and political risk in detail. Explain Infrastructure Management System and its features. OR	07 07	
	(b)	Explain infrastructure scenario of India and explain the fields in which major infrastructure development needed.	07	
Q.3	(a) (b)	Describe rehabilitation strategies for any dam project. Explain performance evaluation of Infrastructure project. OR	07 07	
Q.3	(a) (b)	What is PPP? Discuss any two PPP Projects. Explain planning process of Infrastructure of Industrial Building.	07 07	
Q.4	(a) (b)	Give the importance of estimating life of infrastructure project. Explain economic analysis of Infrastructure Project. Also Discuss how it will be useful in calculating user charges. OR	07 07	
Q.4	(a) (b)	Explain determination of project cost and project revenues. Explain the following terms: (i) Variance (ii) Standard deviation (iii) Sampling (iv) Confidence.	07 07	
Q.5	(a) (b)	Explain hard and soft infrastructure project in detail. Explain the sectors covered under infrastructure, highlighting its importance. OR	07 07	
Q.5	(a) (b)	Write short note on: Role of infrastructure in development of country. Discuss the various parameters to be considered in data analysis.	07 07	

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