Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2014

Subject code: 1721207 **Date: 25-06-2014**

Subject Name: Infrastructure Engineering and Management

Time: 02:30 pm - 05:00 pm **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	(a)	Explain various steps of life cycle analysis.	07
	(b)	What is PPP? Discuss any two PPP Projects.	07
Q.2	(a)	Explain environmental risk and political risk.	07
	(b)	Explain the different rehabilitation strategies adopted.	07
		OR	
	(b)	Explain performance evaluation.	07
Q.3	(a)	Explain characteristics of infrastructure project.	07
	(b)	Explain determination of project cost and project revenues.	07
		OR	
Q.3	(a)	Write short note on: Role of infrastructure in development of country.	07
	(b)	Explain need analysis of any one type of infrastructure project.	07
Q.4	(a)	Explain any one probability distribution.	07
	(b)	Explain the challenges and risk involved in thermal power station project, Wanakbori at Gujarat.	07
		OR	
Q.4	(a)	Explain various parameters involved in data analysis.	07
	(b)	Explain Infrastructure Management System and its features.	07
Q.5	(a)	Explain data required to be collected for transportation infrastructure project.	07
	(b)	Explain various feasibility skills.	07
		OR	
Q.5	(a)	Explain case study of any Infrastructural Project.	07
	(b)	Explain different challenge mitigation strategies of infrastructure project.	07

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