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Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

M. E SEMESTER – II • EXAMINATION – WINTER • 2013			
Subject code: 1721207 Date: 04-01-2014			
		Name: Infrastructure Engineering and management	
		.30 am – 01.00 pm Total Marks	: 70
lnsti		ions:	
		Attempt all questions.	
		Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
	٠.	rigures to the right mateure run marks.	
Q.1	(a)	Ç 1	<b>07</b>
	<b>(b)</b>	*	07
		infrastructure projects.	
Q.2	(a)	What is public private partnership? Discuss on BOT, BOLT and	07
•	. ,	DFBOT.	
	<b>(b)</b>		<b>07</b>
		Describe the need assessment of transportation project.	
	<b>(b)</b>	OR Explain the challenges and risk involved in nuclear power station	07
	(0)	project at kakrapar in Gujarat.	07
		r-sjeet inre	
Q.3	(a)		<b>07</b>
	<b></b>	analysis.	
	<b>(b)</b>	Role of infrastructure in development of country.  OR	07
Q.3	(a)	021	07
Q.C	(4)	with its function and advantages.	0,
	<b>(b)</b>		07
<b>Q.4</b>	(a)		07
	<b>(b)</b>	Explain feasibility and technical studies required for infrastructure project.	07
		OR	
Q.4	(a)	Explain (i) Median (ii) Frequency distribution.	07
	<b>(b)</b>	Explain performance evaluation.	<b>07</b>
0.5	(-)	Discuss life and a subside of suiters.	07
Q.5	(a)	Discuss life cycle analysis of railway sleeper.  Define project cost and project revenue. How it can be determined?	07 07
	<b>(b)</b>	OR	U/
Q.5	(a)	Give the importance of estimating life of infrastructure project.	07
-	<b>(b)</b>	Explain the data requirements of infrastructure management system	07

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