Seat No.:	Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

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

	•	Code: 2714803 Date:19/05/20 Name: Infrastructure and Transportation Planning	16
Time: 02:30 pm to 05:00 pm Total Marks Instructions:		70	
		Attempt all questions.  Make suitable assumptions wherever necessary.	
Q.1	(a) (b)	Explain the role of town planners for the "Networks & Services". Provide classification of urban physical infrastructure.	07 07
Q.2	(a) (b)	Explain the role of JnNURM in urban infrastructure development.  Explain the distribution system characteristics for a Water Supply Scheme.  OR	07 07
	<b>(b)</b>	Explain the patterns of water supply distribution system.	07
Q.3	(a) (b)	Explain the types of water filters in a water treatment plant. Explain the methods of disinfection.	07 07
		OR	07
Q.3	(a) (b)	Explain Components of Typical Sewer System.  Explain the terms: BOD, COD, DO, SS, TDS. Also, explain its acceptable limits as per GPCB.	
Q.4	(a) (b)	Explain types of Aerators in sewerage treatment plant. Enlist pollutants in urban sewage with their level before & after treatment.  OR	07 07
Q.4	(a)	Explain the Characteristics of municipal solid waste and Importance of MSW Rules 2000.	07
	<b>(b)</b>	What is e-waste management? Explain its importance.	07
Q.5	(a) (b)	Discuss "Transportation is the function of Land Use".  Discuss on transportation planning surveys.  OR	07 07
Q.5	(a) (b)	Classify urban roads and their importance.  Prepare a detailed note on National Urban Transportation Policy, 2014 of India	07 07

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