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

	Dipl	oma Engineering - SEMESTER-IV • EXAMINATION – SUMMER 2013	
Subject Code: 345503 Subject Name: Plant Equipment Maintena		Code: 345503 Date: 07-06-2013 Name: Plant Equipment Maintenance and Erection	
Tin	ne: 1	0:30 am - 01:00 pm Total Marks: 70	
	2. 3. 4.	Figures to the right indicate full marks.	
Q.1	(a) (b)	State meaning of the term "Process plant". Draw block diagram of any one type of process plant.  Prepare list of Rotary and Static equipments of process plant. (seven each)	07 07
Q.2	(a) (b)	Draw neat sketch of Gate valve and State its applications.  Draw neat sketch of Rotary Compressor and explain its working.  OR	07 07
	(b)	Give classification of Compressors and Explain any one type with sketch.	07
Q.3	(a) (b)	Differentiate between Fans and Blowers with neat sketch. Write sample specifications of a Valve and explain it. OR	07 07
Q.3	(a) (b)	Draw neat sketch of Industrial Fan and State its applications.  Draw neat sketch of Ball Valve and explain its working.	07 07
Q.4	(a)	Give classification of Pumps. Explain Working of Centrifugal Pump with neat sketch.	07
	(b)	Draw neat sketch of Industrial Blower and State its applications.  OR	07
Q. 4	(a) (b)	Explain Working of Reciprocating Pump with neat sketch.  Draw neat sketch of Expansion joint and state its application in industrial piping.	07 07
Q.5	(a) (b)	Draw neat sketch of Thermal Power Plant and explain its working.  Define the term "Foundation". Give classification of foundation.  OR	07 07
Q.5	(a) (b)	Draw neat sketch of Diesel Power Plant and explain its working.  Describe effects and functions of foundation.	07 07

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