Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY HMCT - SEMESTER-V • EXAMINATION - WINTER • 2014

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	•	Code: 153306 Date: 09-12-2014	
Ti	me: 1 tructio 1. 2.	Name: Hotel Engineering and Maintenance 10.30 am - 01.00 pm Total Marks: 70 ons: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Write type of Maintenance Explain types of fuels with their advantage and disadvantage	07 07
Q.2	(a) (b)	Discuss precautions to be taken while using gas as a fuel in hotel industry Write duties and responsibility of chief engineer OR	07 07
	(b)	Draw organizational structure of Engineering department	07
Q.3	(a) (b)	What it is ohm law Explain in brief energy conservation tips followed by different outlets OR	07 07
Q.3	(a)(b)	Classify fire with different extinguisher recommended for extinguisher particular fire Calculate the total value of resistor in series 10Ω , 15Ω , 20Ω , 20Ω , and 50Ω and parallel 10Ω , 5Ω , 10Ω , 15Ω using proper diagram	07 07
Q.4	(a) (b)	What is pollutant? Explain with suitable example What is air pollution, water pollution and noise pollution OR	07 07
Q.4	(a) (b)	Explain type of failure mechanism of equipment's and the process of replacement of items that fails all of sudden Explain why to designing building that control heat & heat transfer	07 07
Q.5	(a) (b)	Differentiate between air conditioning and refrigeration Explain various sources of water its importance and the way of treating water	07 07

Explain different types of air conditioning system with period maintenance

OR

before consumption

Write importance of inspection chamber

Q.5

(a)

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