

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE / HMCT - SEMESTER- • EXAMINATION – SUMMER 2016**

**Subject Code: 153306****Date: 28/11/2016****Subject Name: Hotel Engineering and Maintenance****Time: 10:30 to 1:00 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) What is Replacement? Why it is essential? **07**  
(b) Write wider scope of Engineering in Hotel industry. **07**
- Q.2** (a) Draw organizational structure of Engineering department common in the Hotel industry? **07**  
(b) Briefly explain duties and responsibilities of chief engineer. **07**
- OR**
- (b) Draw the format of Maintenance order form and Briefly explain how it is practically implemented to avoid maximum guest complaints. **07**
- Q.3** (a) Write advantages and disadvantages of solid, liquid and gaseous fuel giving suitable examples. **07**  
(b) As a Cook what are the basic precautions taken while Preparing food using gaseous fuel. **07**
- OR**
- Q.3** (a) What are ohms Law? What is conductor? **07**  
(b) How Energy Conservation tips followed in a specialty Restaurant? **07**
- Q.4** (a) Highlight various points instructed to Houseman before giving polishing Machine for Scrubbing, Buffing and polishing of Hard Floors. **07**  
(b) Explain fire Triangle? Briefly explained types of Fire. **07**
- OR**
- Q.4** (a) Mention Various fire fighting equipments recommended for Hotels. **07**  
(b) Write the use of Smoke detector, Fire alarm and Water Sprinkler. **07**
- Q.5** (a) Explain minimum 10 pollution control measures. **07**  
(b) Explain the working process of Air-conditioning and Refrigeration. **07**
- OR**
- Q.5** (a) Briefly explain with diagram the Hot and cold water system adopted by various five star hotel for convenience of Guests. **07**  
(b) What is inspection Chamber? Write its importance. **07**