

GUJARAT TECHNOLOGICAL UNIVERSITY
BHMCT- SEMESTER-V- • EXAMINATION – SUMMER 2018

Subject Code:153306**Date:09/05/2018****Subject Name: Hotel Engineering and Maintenance****Time:02:30 PM TO 05:00 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) Explain the duties & responsibilities of Chief Engineer in hotel **07**
- (b) Explain fire triangle in detail along with classification of fire **07**
- Q.2** (a) Describe 14 methods in Kitchen department for energy conservation **07**
- (b) Explain water softening , justify any one process in detail **07**
- OR**
- (b) Draw the neat labeled diagram of 5 sanitary fittings **07**
- Q.3** (a) Explain control measures for Air pollution in hotels (atleast 10 points) **07**
- (b) Differentiate between air conditioning & refrigeration. **07**
- OR**
- Q.3** (a) Differentiate between split & window air conditioning system **07**
- (b) Explain water treatment process used in hotels in detail **07**
- Q.4** (a) Describe 14 methods in Housekeeping department for energy conservation **07**
- (b) Explain different types of maintenance with one example each. **07**
- OR**
- Q.4** (a) Explain the precautions to be taken while handling the electric equipment's. **07**
- (b) Explain different types of replacement policies used for equipment's in hotels **07**
- Q.5** (a) Describe various types of smoke detectors and explain importance of each **07**
- (b) Which are different types of fuels used hotels justify your answer with examples of each department. **07**
- OR**
- Q.5** (a) Classify refrigeration system with examples. **07**
- (b) How will you overcome water pollution in hotels? Recommend some positive steps for the same. **07**
