

BACHELOR IN HOTEL MANAGEMENT (BIHM)

Term-End Examination

June, 2014

**BHY-048 : HOTEL ENGINEERING AND
MAINTENANCE**

Time : 3 hours

Maximum Marks : 100

Note : Answer any five questions. All questions carry equal marks.

1. Draw an organizational chart for Civil Engineering Maintenance Section in a Five Star Hotel. Also state the duties of lower staff of different engineering trade. 20
2. Define Contract Maintenance. State its advantages and disadvantages. 20
3. (a) What is the function of a fuse? Write different types of commonly used fuses. 10
(b) What are the properties of good refrigerant? 10
4. Define fuel. List the different types of fuels used in hotel. Also list their advantages and disadvantages. 20
5. Explain the following : 4x5=20
 - (a) Relative Humidity
 - (b) Air Ducting
 - (c) Ambient Temperature
 - (d) One tonne of refrigeration

6. (a) Differentiate between Air Cooling and Air Conditioning. 10x2=20
(b) Diagrammatically highlight the functioning of Desert Cooler.
7. Classify fires and recommend the extinguishing procedures for each one of them. 20
8. What is solar water heater ? Explain its advantages and disadvantages over other alternate water heating systems. 20
9. Explain the possible sources of fire hazards inside a kitchen of a hotel that is equipped with LPG operated equipments. 20
10. Draw a typical water circuit diagram from a tube well to final water storage tank, showing various water treatment equipments generally used. 20
-