

**B. SC. (HOSPITALITY & HOTEL ADMINISTRATION) SEM –
IV 2010 COURSE) : WINTER - 2017
SUBJECT: FACILITIES PLANNING & ENVIRONMENTAL
ISSUES IN HOTELS**

Day: **Wednesday**
Date: **29/11/2017**

Time: **12.30 PM TO 3.30 PM**
Max Marks: **80**

W-2017-1499

N.B:

- 1) Solve any **FIVE**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Use of non- programmable **CALCULATOR** is allowed.
 - 4) Assume suitable data if necessary.
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- Q.1** a) Describe up feed and down feed water distribution method with diagram. (08)
b) Explain purification of water by using chlorine and ozone. (08)
- Q.2** a) Draw and give technical specification of carbon dioxide and foam type fire extinguisher. (08)
b) Explain with diagram fire detection system in hotel. (08)
- Q.3** a) Write note on biogas and LPG. (08)
b) Differentiate between liquid and gaseous fuels with examples. (08)
- Q.4** a) Calculate electricity bill for the month of May having following electricity load. (08)
i) 30 w bulb 10 nos. 08 hrs per day.
ii) 2 w oven 02 nos. 03 hrs per day.
iii) 100 w bulb 05 nos. 04 hrs per day.
Cost of electricity is Rs. 12.00 per unit.
b) Explain plate type earthing with diagram. (08)
- Q.5** a) Differentiate between unitary and central air condition system. (08)
b) Explain central air conditioning system with diagram. (08)
- Q.6** a) Give energy saving tips for guestroom and housekeeping department. (08)
b) Draw organizational chart for 300 room in hotel.
- Q.7** a) Give maintenance of domestic refrigerator and explain importance of defrosting. (08)
b) Explain dry chemical powder fire extinguisher with diagram and technical specification. (08)

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