

**B.H.M.C.T. SEM-IV (2010 COURSE) : WINTER - 2017**

**SUBJECT: HOTEL SERVICES & FACILITIES PLANNING**

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

**W-2017-1466**

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

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**N.B.**

- 1) Attempt any **FIVE** questions.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Electronic pocket **CALCULATOR** are allowed.
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- Q.1** a) Differentiate between solid and liquid fuel and its advantages and disadvantages. (08)  
b) Define terms (08)  
    i) Ignition temperature  
    ii) Calorific value  
    iii) Fire point  
    iv) Flash point
- Q.2** a) What is fuse explain kit- kat fuse with diagram. (08)  
b) Calculate electric bill for the month of May – 15 having following electricity load (08)  
    i) 150 W Amplifier      01 No      03 hrs / day  
    ii) 3KW heater      02 Nos      03 hrs / day  
    iii) 60 W bulb      03 Nos      06 hrs / day  
    iv) 750 W Dryer      01 No.      20 min / day
- Cost of electricity is Rs. 10 /- per unit.
- Q.3** a) Give classification of air conditioning system and also give factors affecting comfort. (08)  
b) Explain window air conditioner with diagram. (08)
- Q.4** a) Describe softening of water by soda lime process with diagram. (08)  
b) Explain safety related to fire in hotel and draw diagram of foam type fire extinguisher. (08)
- Q.5** a) Explain function, duties and responsibilities of maintenance engineering department. (08)  
b) Describe direct and indirect lighting system in hotel. (08)
- Q.6** a) Explain maintenance of swimming pool. (08)  
b) What are sources of water, impurities and disadvantages of hard water in hotel? (08)
- Q.7** a) Give energy saving tips in guest room and housekeeping. (08)  
b) Give properties of good refrigerants and good fuel. (08)