

B. SC. (HOSPITALITY & HOTEL ADMINISTRATION) SEM – IV
2010 COURSE) : SUMMER - 2018
SUBJECT: FACILITIES PLANNING & ENVIRONMENTAL ISSUES IN HOTELS

Day: **Wednesday**
Date: **18/04/2018**

S-2018-2189

Time: **02.00 PM To 05.00 PM**
Max. Marks: **80**

N.B.:

- 1) Attempt any **FIVE** questions.
- 2) Figures to the right indicate **FULL** marks.
- 3) Use of electronic pocket **CALCULATOR** is allowed.
- 4) Assume suitable data if necessary.

- Q.1 a)** Calculate electricity bill for the month of April having following electricity load (10)
cost of electric energy is Rs. 8.50 per unit
- | | | |
|----------------------|---------|-------------|
| i) 3 KW heater | 02 Nos. | 03 hrs/ day |
| ii) 12 W CFL | 10 Nos. | 08 hrs/ day |
| iii) 250 W hairdryer | 01 No. | 20 min/ day |
| iv) 01 KW Toster | 02Nos. | 01 hrs/ day |
- b)** Define term: (06)
- i) Sensible heat
 - ii) Ton of Refrigeration
 - iii) Conduction
- Q.2 a)** How LPG gas is advantageous as a cooking gas over other fuels. (08)
- b)** Give any eight energy saving tips in Kitchen. (08)
- Q.3 a)** Explain with neat diagram foam type fire extinguisher with their technical specification. (08)
- b)** Describe with example importance of earthing in electricity. (08)
- Q.4 a)** Differentiate between central and unitary air-conditioning system. (08)
- b)** Give importance of defrosting and explain maintenance of domestic refrigerator. (08)
- Q.5 a)** What are the characteristics of drinking water as per WHO. Give cause of impurities and their disadvantages? (08)
- b)** Explain with neat diagram direct and indirect lighting system in hotel. (08)
- Q.6 a)** Describe safety related to Guest and parking in hotel. (08)
- b)** What are the responsibilities of maintenance engineering department in hotel? (08)
- Q.7 a)** How will you treat water by using chlorine and Ozone? (08)
- b)** Draw neat diagram of window air conditioners and give its working. (08)