

B. Sc. (Hospitality & Hotel Administration) Sem – IV 2010 Course) :
SUMMER - 2019

SUBJECT : FACILITIES PLANNING AND ENVIRONMENT ISSUES IN HOTELS

Day : Saturday
Date : 13/04/2019

S-2019-2504

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

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.

Q. 1 Solve **ANY TWO** of the following: **(16)**

- a) What are the functions and responsibilities of maintenance engineering department in Hotel?
- b) Differentiate between hard and soft water and explain softening of water by using Ion exchange method.
- c) Differentiate between solid and liquid fuel and give advantages of both.

Q. 2 Solve **ANY TWO** of the following: **(16)**

- a) Define Ton of refrigeration and explain vapour absorption refrigeration cycle.
- b) Explain window air conditioner with diagram.
- c) Draw diagram of any four plumbing fixtures.

Q. 3 Solve **ANY TWO** of the following: **(16)**

- a) Calculate the electricity bill for the month of Feb. 2010 having following electricity load:

1.5 kw oven	1 No.	2 hours/day
60 W bulb	10 No.s	8 hours/day
120 w hair dryer	2 No.s	30 mins/day

The cost of electricity is Rs. 10/- per unit.

- b) Write any eight energy conservation tips for housekeeping and guest room.
- c) Define the term related to fuel:
 - i) Fire Point
 - ii) Flash Point
 - iii) Cloud Point
 - iv) Pour Print

Q. 4 Solve **ANY TWO** of the following: **(16)**

- a) Explain earthing methods used in electricity with diagram.
- b) Describe guest and parking safety in Hotel.
- c) Describe advantages and disadvantages of hard water to hotel industry and explain purification of water by chlorination.

Q. 5 Solve **ANY TWO** of the following: **(16)**

- a) Draw diagram of foam type of fire extinguisher with technical specification.
- b) Explain function of trap in sanitation and draw any two water closets.
- c) Write the factors which will affect comfort of air conditioning in detail.