B.Sc. (HS) (Semester –II) Examination, 2017 206 :THE SCIENCE OF HOTEL ENGINEERING (2017 Pattern) Time : 2 Hours Max. Marks : 40

Instructions :

1) Answer any four question out of the give

2) Neat diagrams must be drawn wherever necessary.

3) Black figures to the right indicate full marks.

4) Use of logarithmic tables slide rule, Mollier charts, electronic pocket calculator and steam tables is allowed.

5) Assume suitable data, if necessary.

Q1Answere the following (Any two) (2×5=10)

a) Explain with diagram window air-conditioner.

b) Describe contract maintenance with its type and advantages and disadvantages.

(c) Describe use of Solar Systems for a Hotel.

Q2 Answere the following (Any two) (2×5=10)

a) What are the functions and responsibilities of maintenance engineering department in Hotel ?

b) What are the sources of air pollution and give its controlling methods ?

(c) Explain different collection systems for Solid Waste Management.

Q3 Answer the following (Any two) (2×5=10)

a) (c) Give the classification of fuels and importance of LPG in Hotel..

b) Explain The maintenance of computer and labtop?

(c) Give energy conservation tips in Kitchen and House keeping?

Q4 Answer the following (Any two) (2×5=10)

a) Differentiate between unitary and central air conditioning system.

b) Explain zeolite process for water softening with diagram.

(c) Give Classification of Fire and its symbols?

Q5 Answer the following (Any two) (2×5=10)

a) Describe any two types of fire extinguishers. (2×5=10)

b)Explain what are Escalators and Elevators

(c) Calculate electricity bill for 15 days. The electric load is as follows with rate Rs. 10 per kwh.

1. 100 W bulbs – 06 Nos – 10 hrs/day
2. 10 W tubes – 10 Nos – 04 hrs/day
3. 2 KW heater – 02 Nos – 02 hrs/day.