

**BHMCT**  
**(SEM-IV) THEORY EXAMINATION 2017-18**  
**HOTEL ENGINEERING**

*Time: 3 Hours*

*Total Marks: 100*

**Note:** 1. Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A**

- 1. Attempt *all* questions in brief. 2 x 10 = 20**
- a. Scheduled Maintenance
  - b. Squatting Pan
  - c. Solid Fuel
  - d. MCB
  - e. Walk-in-cooler
  - f. Water Hydrant
  - g. Mason
  - h. Lime soda Process
  - i. Reactive Maintenance
  - j. Gate valve

**SECTION B**

- 2. Attempt any *three* of the following: 10 x 3 = 30**
- a. Write down importance of maintenance department in a hotel along with difficulties?
  - b. Briefly discuss the various types of fuels used in catering industry.
  - c. Discuss in detail about the preventive measures for using escalators and moving walks for guest.
  - d. What do you understand by Pollutant. Write down the pollution control measures for Land, Noise, Water and air.
  - e. Draw a neat and labelled diagram of Bell type flushing cistern and elaborate it.

**SECTION C**

- 3. Attempt any *one* part of the following: 10 x 1 = 10**
- (a) Briefly explain the duties and responsibilities of a chief engineer?
  - (b) Write a brief note on ETP method of waste water treatment.
- 4. Attempt any *one* part of the following: 10 x 1 = 10**
- (a) Write short notes on fresh food refrigerators and chill units in hotels.
  - (b) Write a brief note on vapour compression refrigeration cycle.
- 5. Attempt any *one* part of the following: 10 x 1 = 10**
- (a) What are the different energy conversation tips for the hotel?
  - (b) What do you mean by circuit breaker. List and explain various types of fuses.

**6. Attempt any *one* part of the following:** **10 x 1 = 10**

- (a) Differentiate between Passenger elevator and Freight Elevator.
- (b) Draw a neat and labeled diagram of elevator and elaborate it.

**7. Attempt any *one* part of the following:** **10 x 1 = 10**

- (a) Describe the various equipment replacement policies adopted in hotels.
- (b) Discuss the various reasons behind failure of any equipment.

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