Printed Pages:2 **Sub Code: HMCT405**
Paper Id: 174218 **Roll No.** | | | | | | | | | | |

BHMCT
(SEM-IV) THEORY EXAMINATION 2018-19
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. Breakdown maintenance
b. Pollutants
c. Calorific value of fuel
d. Bunsen Burner
e. MCB
f. Parallel circuits
g. Vertical transportation
h. Energy Conservation
i. Chill unit
j. Combustion

SECTION B

2. Attempt any *three* of the following: 10x3=30

a. Why is maintenance important in hotels? Discuss the types of maintenance consider in hotels.
b. What factors will you consider while designing a hotel so that heat may be controlled?
c. What do you mean by security equipment? Discuss about the use of security equipment in hotel industry.
d. Classify the different types of pollution in hotel industry. How would you control it?
e. Discuss in detail about natural ventilation system in hotels.

SECTION C

3. Attempt any *one* part of the following: 10x1=10

a. Define the term "fire". Classify fire and Explain different types of fire extinguishers.
b. What do you mean by Breakdown maintenance? Mention five activities undertaken under breakdown maintenance

4. Attempt any *one* part of the following: 10x1=10

a. What is fuel? Give the classification of fuel with examples. Write the application of fuels used in catering industry.
b. What do you mean by LPG? Explain various uses of LPG in cooking, heating and hospitality industry.

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5. Attempt any *one* part of the following: 10x1=10

a. Discuss the basic scientific principles behind refrigeration.
b. What do you mean by the term Contract? Explain in detail about the advantages and disadvantages of Contract in hotels.

6. Attempt any *one* part of the following: 10x1=10

a. What do you understand by equipment replacement policy? Discuss the various reasons for replacement of equipment.

b. Explain payback period method and lifecycle cost method.

7. Attempt any *one* part of the following: 10x1=10

a. What do you mean by Accident and safety management? Explain the various advantages of accident and safety management.
b. What do you mean by reverse osmosis system? How can you remove hardness of water?

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