

Printed Pages : 2



BHMCT-505

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 990505

Roll No.

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B.H.M.C.T.

(SEM. V) (ODD SEM.) THEORY

EXAMINATION, 2014-15

ENGINEERING & MAINTENANCE

Time : 3 Hours]

[Total Marks : 100

PART – A1. Define the following terms: **10x2=20**

- (a) Ohm's law
- (b) Work
- (c) Energy
- (d) Force
- (e) Power
- (f) Current
- (g) Resistance
- (h) Coulomb
- (i) Fuel
- (j) Contract

PART – B2. Answer any four questions: **4x10=40**

- (a) What are the laws of resistance? What is series & parallel connections of resistances?
- (b) What are the various precautions you should observe while handling electrical appliances?

- (c) What do you mean by maintenance? Describe the scope of maintenance in Hotels.
- (d) Enlist the duties & responsibilities of Head of the Engineering & maintenance department in hotels and also mention the co-ordination among various departments of hotel.
- (e) Classify fire. Write about different types of fire extinguishers.
- (f) Discuss the basic scientific principles behind refrigeration.

PART – C

3. Write short notes on any of the following: 5x4=20

- (a) Accident & safety management
- (b) Equipment replacement policy
- (c) Contract maintenance
- (d) Walk-in freezer
- (e) Air conditioners

4. Answer any two of the following: 2x10=20

- (a) Explain the security system for Hotel i.e Door, Guest.
- (b) Calculate electricity bill for the month of December having following electricity load if cost of one unit is Rs. 7.50/- :
 - (i) 120W fan 12 Nos. 06 hrs/day
 - (ii) 1.5KW Oven 02 Nos. 25 min/day
- (c) What do you mean by the term Contract? Explain in detail about the advantages & disadvantages of Contract in hotels.
- (d) Describe LPG & draw a labeled diagram of the Bunsen burner.
