



Printed Pages : 2

BHM – 405

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

PAPER ID : 7457

Roll No.

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BHMCT

(SEM. IV) EXAMINATION, 2006-07

ENGINEERING & MAINTENANCE

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions.

1. Attempt any **four** parts of the following : **5×4 = 20**

- (a) What is contract maintenance? Enumerate types of maintenance.
- (b) What is load bearing construction? What are its merits and demerits?
- (c) Explain post construction anti-termite treatment.
- (d) What are the effects of dampness on a building?
- (e) What is breakdown maintenance?
- (f) How is water treated for hotel use?

2. Attempt any **four** parts of the following : **6×4 = 24**

- (a) Explain the terms – Ventilation, Air conditioning and Refrigeration.
- (b) What is the difference between central AC system and split AC ?
- (c) What factors will you consider while designing a building so that heat may be controlled?
- (d) Why is ventilation important in the kitchen?

- (e) Explain direct indirect, semi-direct and differed lightening systems.
- (f) What are walk in coolers, deep freezers and chill units.

3. Attempt any **two** parts of the following : **12×2 = 24**

- (a) Discuss basic working and safety requirements of escalators.
- (b) Define safety. What is electrical shock safety and accident safety?
- (c) What preventive measures can you take against different types of fire?

4. Attempt any **two** parts of the following : **8×2 = 16**

- (a) Why is maintenance important? Explain routine maintenance.
- (b) Explain in brief :
 - (i) Inventory and loss control
 - (ii) Property damage control.
- (c) “Pollution is threatening life on earth”. Comment. Discuss measures which can be taken to control pollution.

5. Discuss any **two** of the following : **8×2 = 16**

- (a) Equipment replacement policies
 - (b) Energy conservation
 - (c) Swimming pool maintenance.
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