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 : 5x4 = 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 : 6x4 = 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?

V-7457] 1 [Contd...
(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 : \(12 \times 2 = 24\)
   (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 : \(8 \times 2 = 16\)
   (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 : \(8 \times 2 = 16\)
   (a) Equipment replacement policies
   (b) Energy conservation
   (c) Swimming pool maintenance.