

BACHELOR IN HOTEL MANAGEMENT (BIHM)

Term-End Examination

00391

December, 2014

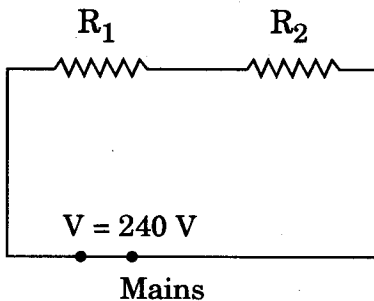
**BHY-048 : HOTEL ENGINEERING AND
MAINTANENCE**

Time : 3 hours

Maximum Marks : 100

Note : Answer any five questions. All questions carry equal marks.

1. Draw an organizational chart for 'Mechanical Engineering' maintenance section in a five-star hotel. State duties of the technical staff. 20
2. Differentiate between preventive maintenance and routine maintenance. 20
3. Explain Ohm's Law. In a closed electric circuit, as shown in the figure, find the current flowing, when $R_1 = 40$ ohms, $R_2 = 20$ ohms and $V = 240$ volts. 20



4. With the help of a diagram, describe a window type air-conditioner. 20
5. Explain the following briefly : $4 \times 5 = 20$
- (a) Combustion
 - (b) Type of fire
 - (c) Explosion
 - (d) Smoldering
6. List the various types of hardness in water. Explain one method of treatment for 'Hard Water'. 20
7. (a) Define Air-Conditioning, Refrigeration and Refrigerants. $4+3+3=10$
- (b) List the refrigeration cycles and explain any one of them. 10
8. Name five plumbing tools and five materials required by a plumber for routine maintenance of a bathroom. Draw a diagram of any one of the plumbing tools. 20
9. For what purpose are Diesel Generating sets used ? Draw specifications for a typical D.G. set. 20
10. Write a detailed note on 'Fire Tenders' with reference to fire-fighting equipments and procedures to use it, while extinguishing a fire. 20