

GB IMPORTANT QUESTIONS FOR MID-I

UNIT-I

1. Define Green Buildings. List out the objectives of Green Buildings and then briefly write about various Green Building rating systems in India.
2. Elaborate the different types of energy. Discuss the various aspects to be followed for designing an Energy Efficient Building.
3. Explain some key factors of better buildings and how do you reduce the energy consumption for a Green Building design.
4. In the pursuit of better buildings, what are some innovative approaches that have proven effective in reducing energy consumption in the Indian building sector? Elaborate.
5. How does energy efficiency in buildings contribute to reducing pollution?

UNIT-II

1. Differentiate between Active and Passive Solar Energy Design. Explain the Direct method of Passive Solar Heating with a neat sketch.
2. Classify and explain in detail about Solar PV Generating Systems.
3. What is Rain Water Harvesting? Explain the process of Rain water Harvesting with neat sketch and also mention the advantages and disadvantages of it.
4. How the wind energy is harnessed to generate the power? Explain with a neat sketch.
5. Explain the various applications of Renewable Energy Sources in Green Building Design with Examples.

UNIT-III

1. Discuss the factors affecting fabric heat loss in a building.
2. How the natural energy is utilized for development of Building Form.
3. Define Building Forms. Write about the factors influencing it.
4. Determine the total heat loss from the building whose Area is 107.67 sq.ft, coefficient of heat transfer is 0.7 W/m²K and the temperature difference is 25°C.
5. Determine the total heat loss from the building whose Area is 20 sq.m, coefficient of heat transfer is 0.5 W/m²K and the temperature difference is 30°C.