

Unit 1

1. Explain-effect of Environmental factors on building
2. What is tropical environment Explain in brief
3. Discuss in brief- Impact of environment on building
4. Write a short note on Tropical environments and site environments.
5. What is Green building? Explain in detail.
6. How the construction of building affects adversely on environment?
7. What is the environmental impact of building materials?
8. How do you measure the environmental impact of a building?
9. What makes a building green? Discuss in detail.
10. What are the economic benefits of green or sustainable building and development?

Unit 02

1. State factors affecting on human comfort.
2. Explain in detail human response to thermal environment.
3. Explain Heat Flow in buildings.
4. What is Admittance Method?
5. Explain Noise pollution in detail
6. What are Comfort indices? Discuss in detail.
7. How the heat transferred in building?
8. What are the factors affecting heat transfer in buildings?
9. What are the factors affecting human thermal comfort?
10. Why we need to improve thermal comfort in buildings?

Unit 03

1. Explain process of heat exchange of building with environment.
2. State effect of solar radiation.
3. Explain thermal properties of material and sections and their influence.
4. Write a short note on thermal design of building.
5. Write a short note on thermal design of unconditioned building.
6. Explain in detail Thermal properties of material and sections
7. What is Comfort & Thermal Design of Buildings
8. What is Steady and periodic heat transfer in buildings?
9. What are the factors affecting the thermal performance of the building?
10. What are the types of heat transfer in buildings?

Unit 04

1. What is Natural ventilation? State its purpose.
2. Explain Mechanisms of Natural ventilation.
3. Explain fenestration design for natural ventilation.
4. Write a short note on Natural ventilation design.
5. What are the factors affecting natural ventilation in buildings?
6. How to increase natural ventilation in a building?
7. Write a short note on Natural ventilation design
8. What are the limitations of natural ventilation design?
9. What are the key factors for design of a good ventilation system?

10. Write a short note on Purpose of ventilation

Unit 05

1. Write a short note on Artificial Lighting.
2. What is Transmission matrix?
3. Write a short note on Basic acoustics and noise
4. What are the protective measures against external noise
5. Explain in detail Noise Outdoors
6. Write a short note on Sound within Auditorium
7. What is Artificial Lighting? Explain in brief
8. What is Heat flow computation?
9. Explain Transmission matrix and Admittance method
10. What are the factors involved in artificial lighting?