

1. What are the different defects of Sound? Explain in detail. Make sketches wherever required
2. Explain in detail, what is Reverberation? What are the different properties of Sound? Explain in Detail.
3. Write short notes with neat proportionate sketches on the types of Sound Amplification systems?
4. What is Structure borne noise? Explain in detail with sketches
5. What is Air borne noise? Explain in detail with sketches
6. What are the various ways to control disturbances due to Air Borne and Structure Borne noise. Give relevant (minimum 5) examples.
7. Explain in Details with sketches different types of Acoustical Materials.
8. Explain in Detail all the aspects considered in Auditorium Acoustics with neat proportionate sketches.
9. Write Short notes on
 - Sprinkler system
 - Classification of fires
 - Fire hydrant
 - Fire escape staircase design criteria
 - Dry and wet risers
 - Fire alarms
 - Smoke detectors
 - Fire resistance of material
 - Public address system
 - Signage inside building for fire safety
 - Fire proof door
 - Compartmentalisation
 - Fixed apparatus for fire fighting
 - Means of escape for fire safety
10. What are the Life Safety measures taken care in a building design by an Architect?
11. What is the purpose of providing Provisions for emergency power in a building w.r.t. fire fighting? Explain with Example.
12. Write any five Bye laws for fire-fighting while designing basement for parking.

13. Explain Provisions related to air conditioning, glazing, interior finishes, gas supply, fire command centre and Basement in a building w.r.t. Fire Fighting.
14. Explain with sketches water supply scheme in a high rise building for fire-fighting purposes.
15. State building regulations formulated for high rise buildings in terms of fire escape.
16. What are the factors consider for planning and design against outdoor noise? Explain with Examples.
17. What are the factors consider for planning and design against Indoor noise? Explain with Examples.
18. What are the Sources of Noise Nuisance in Educational and Residential buildings?
19. What is Active systems of fire in a building? Explain with relevant example and neat sketches.
20. What is Passive control systems of fire in a building? Explain with relevant example and neat sketches.