



**Module-4**

- 7 a. Analyse transmission of noise through a three storied framed structure. (10 Marks)
- b. What is STC? Suggest one construction detail for floors and walls to avoid transmission of sound through them. (10 Marks)

**OR**

- 8 a. A school is located on a highway. What are the various sources of noise in the school? Analyse the nature of these noises. (08 Marks)
- b. What is Mass Law? Recommend suitable details (atleast 3) to reduce noise from the ventilation system. (12 Marks)

**Module-5**

- 9 a. What are the various sources of Industrial noise? (08 Marks)
- b. Explain various methods to mitigate noise in a mechanical industry. (12 Marks)

**OR**

- 10 What are the necessary acoustical considerations for selecting a site for residential purpose? Discuss in detail the necessary site planning and design aspects if the residential building is situate along a busy street. (20 Marks)

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