

Total No. of Questions : 08

M.Tech.(CTM) (Sem.-2)

MAINTENANCE OF BUILDING STRUCTURES

Subject Code : CT-506

Paper ID : [A2025]

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTION TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1. Discuss about design and economic consideration in maintenance of building structures.
2. What are the different factors that affect the decision to carry out maintenance?
3. What are the different maintenance aspects that should be considered while preparing tender documents and specifications.
4. What are the different types of building defects and remedial measures?
5. Write a short note on the following :
 - a) Criteria for Selection of materials to reduce maintenance
 - b) Use of commercial available materials
6. What is the nature, types of problem, their cause, remedial measure and special treatment for following building elements :
 - a) DPC
 - b) Roof and Terraces
 - c) Floor and floor finishes
7.
 - a) Discuss about the design and installation of acoustical treatment for auditorium,
 - b) Define co-efficient of source absorption and noise reduction co-efficient.
8. Discuss about various electrical services that are there in and building project.