

**Total No. of Pages : 01**

**Total No. of Questions :05**

**B.Arch. (E-III) (Sem.-8)**  
**BUILDING MAINTENANCE-I**  
**Subject Code : AR-438**  
**Paper ID : [A0946]**

**Time : 3 Hrs.**

**Max. Marks : 50**

**INSTRUCTION TO CANDIDATES :**

1. Attempt **THREE** questions.
2. All questions carry **EQUAL** marks.

1. What is the effect of climate on buildings? Discuss in detail need of periodic maintenance of buildings. Also describe methods of inspection of buildings as regards maintenance.
2. Why do buildings deteriorate? Discuss causes and remedies of efflorescence and cracks in buildings.
3. Explain post-earthquake rehabilitation of building damages which occur to the building foundation and super-structure.
4. Explain maintenance of any two of the following major building services :
  - a) Water supply system and fixtures.
  - b) Drainage system and fixtures.
  - c) Electrical system and fixtures.
5. Explain the economic and social significance of building maintenance.