

B. ARCH. 4TH YEAR 2ND SEMESTER EXAMINATION 2022

BUILDING MAINTENANCE AND MANAGEMENT

Full Marks : 100

Time : Three Hours

Answer any **five** questions. Each question is for **20** marks.

- Q1. Write down the total Civil, Structural, Mechanical and Electrical components of a standard large building.
- Q2. Mention the process of Inspection of a building for assessing its physical condition. What is 'Maintenance' of a building? Write notes on "Values" and "Ethics" in Conservation.
- Q3. Write notes on all damages and decays that you can find in an old load-bearing wall. Describe with sketches the general techniques of repair of damaged load-bearing walls.
- Q4. Define the phenomenon of 'Rising Dampness' in a building. Narrate the causes and effects of rising dampness in a building. What broad measures do you prescribe to control rising dampness in a very old building?
- Q5. Draw proportionate sections of Roofs of two buildings – one 150 years old and the other 15 years old. Concrete from some portions of the ceiling of a RCC roof slab has fallen down due to rainwater leakage. Describe the method of repair of the ceiling.
- Q6. Write down the probable causes of deterioration of Reinforced Cement Concrete.