

**Roll No.**

**Total No. of Pages : 01**

**Total No. of Questions : 08**

**M.Tech. (Civil Engineering) (Sem.-3)**

## CONSTRUCTION AND MAINTENANCE MANAGEMENT

**Subject Code : CE-518**

**M.Code : 35209**

**Date of Examination : 24-12-22**

**Time : 3 Hrs.**

**Max. Marks : 100**

**INSTRUCTIONS TO CANDIDATES :**

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

1. Discuss with examples about Economic Parameters for regional planning.
2.
  - a) What are different types of air conditioning that can be provided in building? How do these services vary from that of commercial building?
  - b) Sketch the ventilation system for a study room.
3.
  - a) List various building byelaws followed. Explain the necessity of providing these building bylaws.
  - b) Explain important byelaws of the building with suitable examples.
4.
  - a) What is Landscaping? What is the important landscaping for a public building?
  - b) Write short note on Forces of nature.
5. Explain the economical parameters that effect the regional planning of an area. Explain the role of regional planning promoting development of resources, infrastructure, technology, culture for need of balanced growth.
6.
  - a) Discuss the solutions in detail for the problem of acoustics defects in building.
  - b) Write in detail principles of good acoustic design.
7. Discuss the common methods used for Thermal Insulation of an academic building.
8.
  - a) Write the calculation method of water supply and electric wiring in detail.
  - b) Explain various types of Fire Extinguishers.

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**