18AA2264

M. Tech. EXAMINATION, 2021

(First Semester)

(C Scheme) (Main & Re-appear)

M. Tech. (CONSTRUCTION & REAL ESTATE MANAGEMENT)

MCRM605C

Product Modelling and Information Technology

*Time : 2½ Hou*rs]   [*Maximum Marks :* 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Four* questions in all. All questions carry equal marks. Assume any data if necessary.

1. What are the requirements of integrated project management for construction projects ? Explain the information to be provided by stakeholders for developing integrated project management.

2. Explain the concept of Enterprise Resource Planning. List its applications in construction projects.

3. Explain the requirements of computer networking. Explain different types of networking used.

4. What are the applications of product modeling in design and project management along the life cycle of construction project ?

5. Explain the application of CPM method in Primavera software for scheduling. What are the benefits of using Primavera planner software for scheduling ?

6. Explain the process of EVM analysis for time and cost analysis in construction projects.

7. Explain the application of software for cost estimation and quantity surveying. How software can be used during pre-tendering activities ?

8. How software can be used for deciding alternatives for cost analysis in buildings on the basis of their functionality ?