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**5582**

Register Number:

Name of the Candidate:

**B.Sc. DEGREE EXAMINATION December 2014**

**(CONSTRUCTION MANAGEMENT)**

**(SIXTH SEMESTER)**

**620: BUILDING INFORMATION MANAGEMENT**

Time: Three hours

Maximum: 75 marks

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**Answer ONE FULL question from each UNIT**

**(5 × 15 = 75)**

**UNIT-I**

1. a) List out the major building system.  
b) Explain any two of the building system in detail.
- (OR)
2. a) What are the types of roof? Explain few of roof system with neat sketch.  
b) What is meant by intelligent building system?

**UNIT-II**

3. a) Explain about the acoustic control?  
b) Write short notes about transmission reduction.
- (OR)
4. a) Write briefly about the plumbing system in the building enclosure.  
b) Discuss about the electrical system integration in the building enclosure.

**UNIT-III**

5. a) Explain the equal life element design of the materials.  
b) Write briefly about the feasibility for replacement of components.
- (OR)
6. a) Explain the maintenance and safety planning system?  
b) Discuss the procedure to access for maintenance in the building materials?

**UNIT-IV**

7. a) Discuss about the fire escape system design.  
b) What do you understand about the preventive maintenance system?  
(OR)
8. a) Explain the key factors to maintain pollution free construction environment.  
b) Explain the maintenance procedure against chemical attack.

**UNIT-V**

9. a) Write the role of Building Information Modelling in construction industry.  
b) Write the merits and demerits of virtual modelling.  
(OR)
10. a) Enlist and explain the different tools widely using for virtual modelling.  
b) Give short notes on applicability phase of virtual modelling.

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