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Total No. of Pages : 02

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**B. Architecture (2012 & Onwards) (Sem.-8)****HIGH RISE BUILDINGS – I****Subject Code : BACH-805****M.Code : 72749****Time : 3 Hrs.****Max. Marks : 60****INSTRUCTIONS TO CANDIDATES :**

1. Question no.1 is **COMPULSORY**.
2. **FIVE** questions are to be attempted in total, including compulsory question.
3. Attempt any **TWO** questions from each unit.

**1. Write short notes on the following :**

- a. Fire Safety of High Rise Buildings. (2)
- b. Various systems used to make High Rise building Earthquake resistant. (2)
- c. Limitations of high rise buildings. (2)
- d. Origin of high rise buildings. (2)
- e. Advantages and Disadvantages of High Rise Buildings. (2)

**UNIT-I**

2. Discuss the development of high rise buildings from the beginning to present day with the help of suitable examples. (12.5)
3. Do you think high rise buildings affect urban environment? How? Discuss in detail with the help of suitable examples. (12.5)
4. Explain in detail the considerations of physical planning and design of high rise buildings in urban environment. (12.5)
5. What are most commonly used construction materials for the construction of high rise buildings? (12.5)



## UNIT- II

6. Explain how various services are integrated into the design of high rise buildings? (12.5)
7. Explain how various structural safety issues are handled in high rise buildings? (12.5)
8. Discuss the legal issues pertaining to the design of high rise buildings. (12.5)
9. Write a detailed note on the following : (12.5)
  - a. Sears Tower
  - b. Empire state Building

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