

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 09

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**. Each part carries **TWO** marks.
2. Attempt any **FOUR** questions from the rest. Each question carries **TWELVE AND A HALF (12.5)** Marks.
3. Attempt any **ONE** questions from each unit.
4. **FIVE** questions are to be attempted in total.

Q1. Explain briefly :**(2×5=10)**

- a) FAR
- b) Volumetric control
- c) WTC, New York
- d) Service floor
- e) Spider glazing

UNIT-I

- Q2. “*Vertical development is a necessity in present times*”. Elaborate with reference to Indian metropolis. (12.5)
- Q3. Highlight the advantages and limitations of high rise buildings. (12.5)
- Q4. Elaborate on the architecture design considerations for high rise buildings. (12.5)
- Q5. Explain prefabrication as a technique to construct high rise towers. (12.5)

UNIT-II

- Q6. Illustrate the importance of fire safety in high rise buildings. Enlist the fire safety requirements of high rise buildings according to NBC 2005. (12.5)
- Q7. Explain the concept of service core in high rise buildings. Draw a neat diagram of a service core showing all essential components. (12.5)
- Q8. Describe the architecture and planning of Burj Khalifa Towers. (12.5)
- Q9. Give details of vertical circulation systems for high rise buildings. (12.5)

www.FirstRanker.com

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.