

No. of Printed Pages : 03

Roll No.

H4005

B. Arch. EXAMINATION, 2020

(Ninth Semester)

(B Scheme) (Main & Re-appear)

(B. Arch.)

AR513B

TALL BUILDING DESIGN-IX

Time : 2½ Hours]

[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.

(5)M-H4005

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1. Outline various factors and criteria responsible for development of tall buildings across the world.
2. Trace the evolution of tall buildings with suitable example from each time period.
3. Explain the concept of Bundled tube system in development of tall buildings. Explain with the help of example.
4. Write short notes with sketches on Rigid frames, Braced frames, In-filled frames with examples of tall buildings from each type.
5. Discuss different planning or legislative regulations related to design of tall buildings.
6. Discuss constraints of structural and non-structural materials usage which can be used in tall buildings.

7. What are environmental consideration while deciding layout and services in tall building ?
8. Discuss fire prevention and firefighting system in high rise building. Explain the concept of compartmentalization, pressurized staircases and lifts cores for means of evacuation.