

Roll No

MVSE - 302(B)

M.E./M.Tech., III Semester

Examination, December 2016

Design of Tall Structures (Elective-II)

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.
iii) Assume suitable data if necessary.

1. Define the terms :
 - a) Gust Factor
 - b) Karman Vortices
2. Discuss the Approximate and Regorlons methods of analysis for wind and earthquake forces.
3. What are the criteria for design of Chimneys?
4. Give a description of the behavior of tall buildings under
 - a) Static Load
 - b) Dynamic Load
5. Describe shear walls in detail.

6. a) What are coupled shear walls?
b) What are tabular structures?
7. Give a case study of a tall structure
8. Give an account of advanced structural forms for structures that are taller than 60 storeys.
