

Roll No

MVSE-302(B)
M.E./M.Tech., III Semester Examination, June 2020
Design of Tall Structures
(Elective-II)
Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. Discuss the behaviour of tall buildings under different static and dynamic loads.
2. What are the criteria for design of Chimneys?
3. a) Discuss Eigen value problem in detail.
b) Discuss the Dynamics of multi D.O.F.
4. a) What are the codal provisions for EQ resistant design of chimneys?
b) Discuss the design criteria for T.V. towers.
5. What is Shear wall? Discuss its classification and ductile detailing.
6. a) What are the causes of wind and effect of the wind on the structures?
b) Explain Karman Vortices.
7. Give case study of any Tall structure.
8. Write short notes on any three of the following:
 - a) Regorlans method of analysis
 - b) Tabular structures
 - c) Various bracing used in tower
 - d) Khan and Sbarro unit method
