

Civil Engineering Department

Guru Nanak Dev Engineering College, Ludhiana

M.Tech 2nd year

MTST-610 Earthquake Resistant Design of Masonry and RC Buildings

Date: Wed 18 Nov 15 3rd House Test Time: 02:30 p.m. to 04:00 p.m. Max. Marks 30

Don't write anything on question paper except your Roll No. _____

- 1 What structural deficiencies in Reinforced Concrete (RC) Buildings were exposed by Bhuj Earthquake? What lessons you learnt from failures of RC buildings? 10
- 2 Why ductility is important for Earthquake Resistant Design? How it is assessed? Enlist factors affecting it. 10
- 3 What are the lessons learnt from the failures of Masonry Building due to Earthquakes? How Lateral Load Analysis of a Masonry Building is carried out? 10

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