

Civil Engineering Department

Guru Nanak Dev Engineering College, Ludhiana

M.Tech 2nd year

CE-516 Finite Element Method (Elective III)

Date: Tue 4 Oct 11 2nd House Test

Time: 10:30 a.m. to 12:00 noon

Max. Marks 24

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

- 1 Discuss Lagrange and Serendipity element and comment on their suitability. 8
- 2 Name different elements used to solve plain stress and plain strain analysis. Discuss Constant Strain Triangle element in detail and its formulation. 8
- 3 Name different elements used to solve three dimensional problems. Discuss tetrahedron element in detail and its formulation. 8

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