

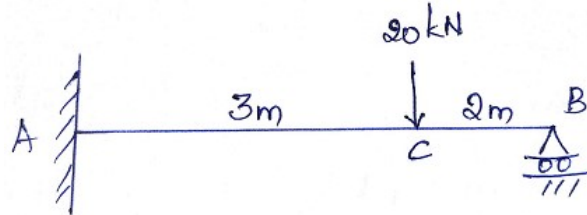
SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY, KODAKARA
CAT 2 – MARCH 2018

Sem: S4	Program: B. Tech CE	Course Code: CE 202	Total Marks: 20	Time: 1 Hr.
Course Name: STRUCTURAL ANALYSIS I				

CO: Course Outcome no, Level: Revised Bloom's Taxonomy Level no (1-6)

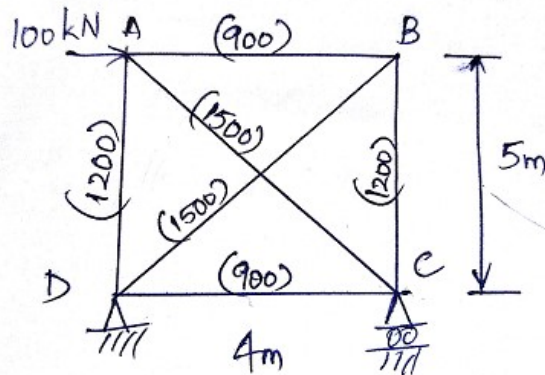
PART A- Answer all questions (4 Marks Each)

CO	Level	Q. No	
2	3	1	How do the increase or decrease of temperature affect a truss or pin jointed frames? What is Lack of fit?
2	2	2	Bring out the difference between Force and Displacement methods of analysis.
1	5	3	Determine the reaction at supports of the beam shown below:



PART B- Answer any one question (8 Marks)

CO	Level	Q. No	
3	5	4	Find the forces in members of the truss given below. Cross sectional areas are indicated in brackets in the figure.



3	5	5	Determine the reaction components in the continuous beam shown below. EI is constant throughout.
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