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|-------|------------------------------------|-----------|----------|------------|----|-----------|--------|----------|-----|--|-----|
| Sub: | Analysis of Determinate Structures | | | | | Sub Code: | 17CV42 | Section: | A&B | | |
| Date: | 5-03-2019 | Duration: | 90 min's | Max Marks: | 50 | Sem | 4th | | | | OBE |

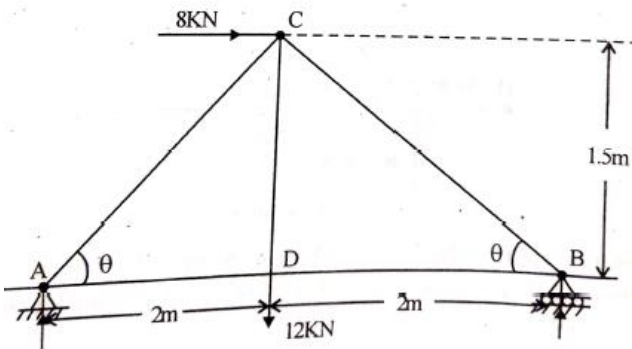
Answer any TWO FULL Questions From Part-A and 1 question from Part B.

PART A

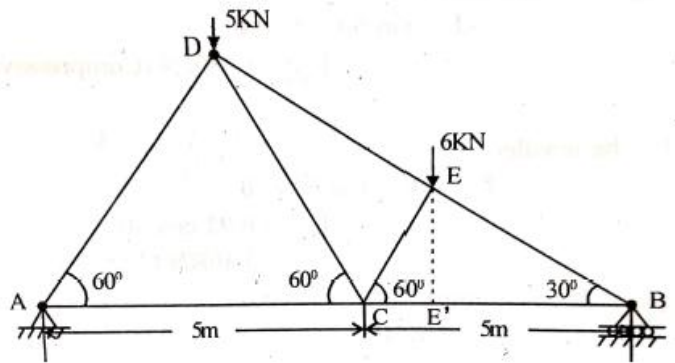
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|-------|--|------|-----|----|
| 1 (a) | Explain Briefly Different type of Structural Forms. | [04] | CO1 | L2 |
| (b) | Find the forces in all members of the given Truss (fig.1) by using Method of Joints and tabulate the member Forces. | [16] | CO1 | L2 |
| 2 (a) | List the assumptions made in the analysis of pin jointed plane trusses. | [04] | CO1 | L1 |
| (b) | Find the forces in all members of the given Truss by using Method of Section (fig.2) and tabulate the member Forces. | [16] | CO1 | L2 |
| 3 (a) | Explain briefly Condition of Equilibrium , Determinate & Indeterminate of Structures. | [4] | CO1 | L2 |
| (b) | Find the forces in all members of the given Truss (fig.3) by using Method of Section and tabulate the member Forces. | [16] | | |

PART B

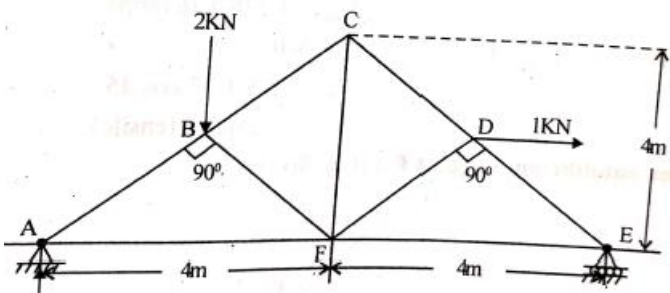
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|---|---|------|-----|----|
| 1 | Find the forces in all members of the given Truss (fig.4) by using Method of Joints and tabulate the member Forces. | [10] | CO1 | L2 |
| 2 | Find the forces in all members of the given Truss (fig.4) by using Method of sections and tabulate the member Forces. | [10] | CO1 | L2 |



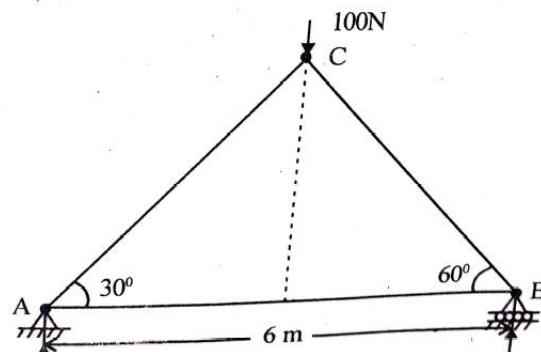
Fig(1)



Fig(2)



Fig(3)



Fig(4)

