

# (STRUCTURAL THEORY 1 – LECTURE AND COMPUTATION)

## TOPIC: DETERMINACY OF BEAMS AND TRUSSES

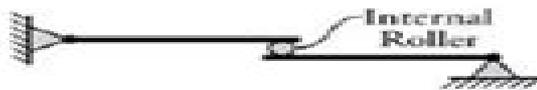
**INSTRUCTIONS:** Solve the following problems completely and neatly. Write your solution in a clean sheet of A4 bond paper. **STRICTLY NO ERASURES ALLOWED.**

Classify the beams shown in Figure below as stable, determinate, or indeterminate, and state the degree of indeterminacy where necessary.

1) ST Problem2



2) ST Problem2



3) ST Problem2



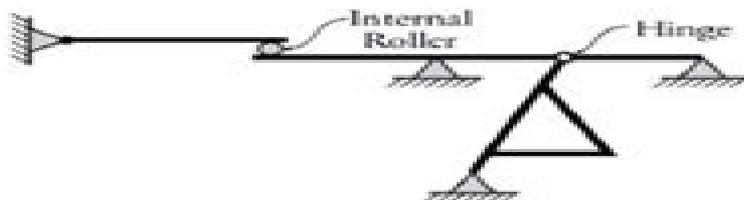
4) ST Problem2



5) ST Problem2



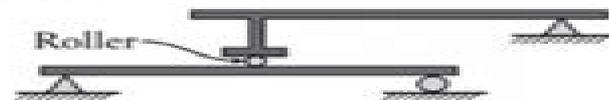
6) ST Problem2



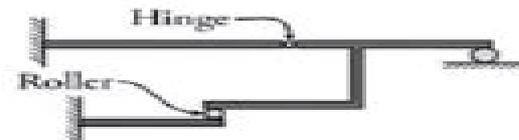
7) ST Problem2



8) ST Problem2



9) ST Problem2



10) ST Problem2



"For with God nothing shall be impossible – Luke 1:37"

# Structural Theory For Engineers

**David Kirk**



## **Structural Theory For Engineers:**

## Decoding **Structural Theory For Engineers**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Structural Theory For Engineers**," a mesmerizing literary creation penned with a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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