

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

ELECTRICAL ENGINEERING DEPARTMENT

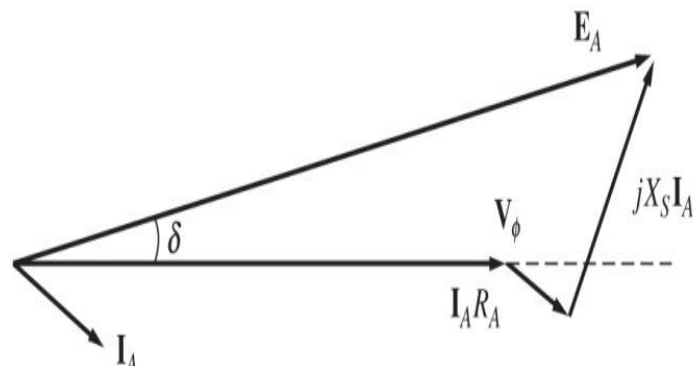
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EE-360

Key Solution

Quiz # 6 Sec.: Serial # Name: I.D.#

1) The figure below shows the phasor diagram of (3 Marks)



- a. a short transmission line with lagging power factor load.
- b. a pi-nominal transmission line with lagging power factor load.
- c. a T-nominal transmission line with lagging power factor load.
- d. **none of bove .**

2) When the per-phase number of conductors of an over-head transmission line is more than one, this is known as (3 Marks)

- a. **Bundled**
- b. Stranded
- c. Transposition
- d. None of above

3) In the T-nominal model of medium transmission lines, (4 Marks)

- a. The line resistance and its capcitanse are split around its two ends.
- b. The line iductance and its capacitance are split around its two ends.
- c. The line capacitance is split at its two ends.
- d. **The line resistance and its iductance are split around its two ends.**