# KING FAHD UNIVERSITY OF PETROLEUM \& MINERALS ELECTRICAL ENGINEERING DEPARTMENT <br> Dr. Ibrahim O. Habiballah 

EE-360
Key Solution

## Quize \# 6 Sec: 1, 2, 3 Serial \# Name: I.D.\#

1) The figure below shows a transmission line of

a. double-circuit with two-bundled conductors per-phase.
b. four-circuit with two-bundled conductors per-phase.
c. double-circuit with four-bundled conductors per-phase.
d. four-circuit with four-bundled conductors per-phase.
2) The phasor diagram shown below is for

a. a short transmission-line connected a resistive load.
b. a short transmission-line connected a pure-inductive load.
c. a short transmission-line connected a pure-capacitive load.
d. a short transmission-line not connected to any load.
3) The value $\mathrm{Z}(\mathrm{ZY} / 4+1)$ is the coefficient factor (one of the ABCD constants) of the receiving-end voltage with respect to sending-end voltage in the T-model of meduim transmission-lines.
$\square$ True

False
4) Temperature is a major factor in calculating all transmission line parameters.
(2 Marks)
True
False

