# KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

### ELECTRICAL ENGINEERING DEPARTMENT

### Dr. Ibrahim O. Habiballah

### **EE-360**

# **Key Solution**

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

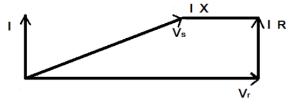
1) The figure below shows a transmission line of

(3 Marks)



- 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

(3 Marks)



- 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.

′	voltage with respect to	cient factor (one of the ABCD constants) of the sending-end voltage in the T-model of meduim (2 Marks)
☐ True	$\square$ False	
4) Temperature	is a major factor in calc	culating all transmission line parameters.
□ True	□ False	(2 Marks)