Power Electronic II 2015-2016

AC-AC Voltage Controllers

Lecture 7	3-ph Full Wave AC Voltage Controller Star Connected Load (Resistive) + How Circuit Operates + Drawing phasor diagram and waveforms of 3-phase system	Monday 19-10-2015 Dr. Khaled
Lecture 8	3-ph Half Wave AC Voltage Controller Star Connected Load (Resistive)+ Drawing phasor diagram of 3-phase system & all relations for theses phasors+ How can draw waveforms of Va, 0.5Vab, 0.5Vac + determine the instant of triggering for all SCRs + determine the conduction period of SCRs and Diodes at Given Firing Angle Of SCR1+ Example: at Alpha=30,380V (rms), 50Hz, Y-connected R-load of 50hmdetermine:	Wednesday 21-10-2015 Dr. Emad