*Using* complex vector-based model in Matlab/Simulink(page23), build a simulation model to demonstrate the dynamics of free acceleration of an induction machine. Hence obtain & verify following figures:

Figure 2.13 Free acceleration characteristics of a 10 hp induction motor in the synchronously rotating reference frame.

Figure 2.14 Three-phase stator voltages.

Figure 2.15 Three-phase rotor voltages.

Figure 2.16 Three-phase stator currents.