Lecture 20

1.Draw one cycle of a sinusoidal voltage waveform and indicate the following instants:

i) Positive zero crossing

ii) Negative zero crossing

iii) Positive peak

iv) Negative peak

2. A sinusoidal current wave of frequency 50Hz has its maximum value of 9.2A. what will be its value at
  i)   **0.002sec after passing through zero in positive direction.**
  ii)   **0.0045sec after the wave passes through positive maximum. Sketch the waveform of current showing the current value at the above time instants.**