## Concept Question 1-4: Define even-symmetrical and odd-symmetrical waveforms.

An even-symmetrical waveform has the property that it is invariant to flipping around the vertical axis. If $x(t)$ is the waveform, then $x(-t)=x(t)$, as shown in Fig. 1-11(b).


An odd-symmetrical waveform has the property that flipping it around the vertical axis has the same effect as flipping it around the horizontal axis. If $x(t)$ is the waveform, then $x(-t)=-x(t)$, as shown in Fig. 1-11(c).


