- Q1. a) In relation to Fourier analysis state the meaning and significance of
 - i) odd and even functions
 - ii) half-wave symmetry {i.e. $f(t+\pi) = -f(t)$ }.

Illustrate each answer with a suitable waveform sketch.

b) State by inspection (i.e. without performing any formal analysis) all you can about each of the periodic waveforms shown in FIGURE 1 in terms of their Fourier series when analysed about t = 0.

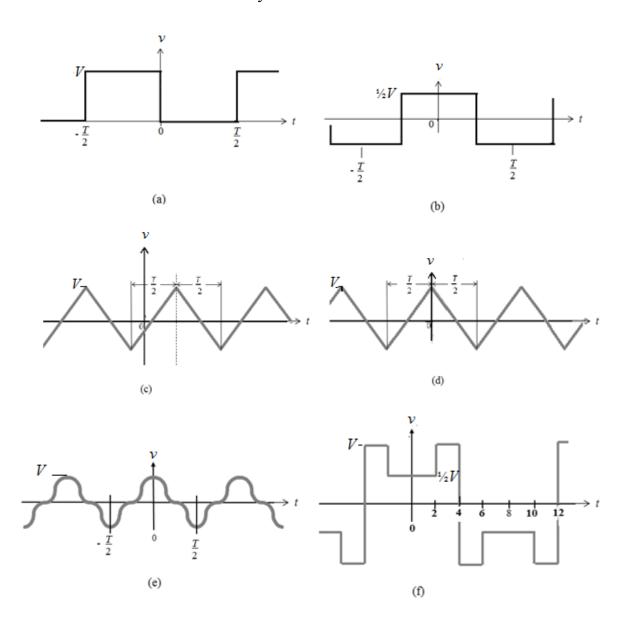


FIGURE 1