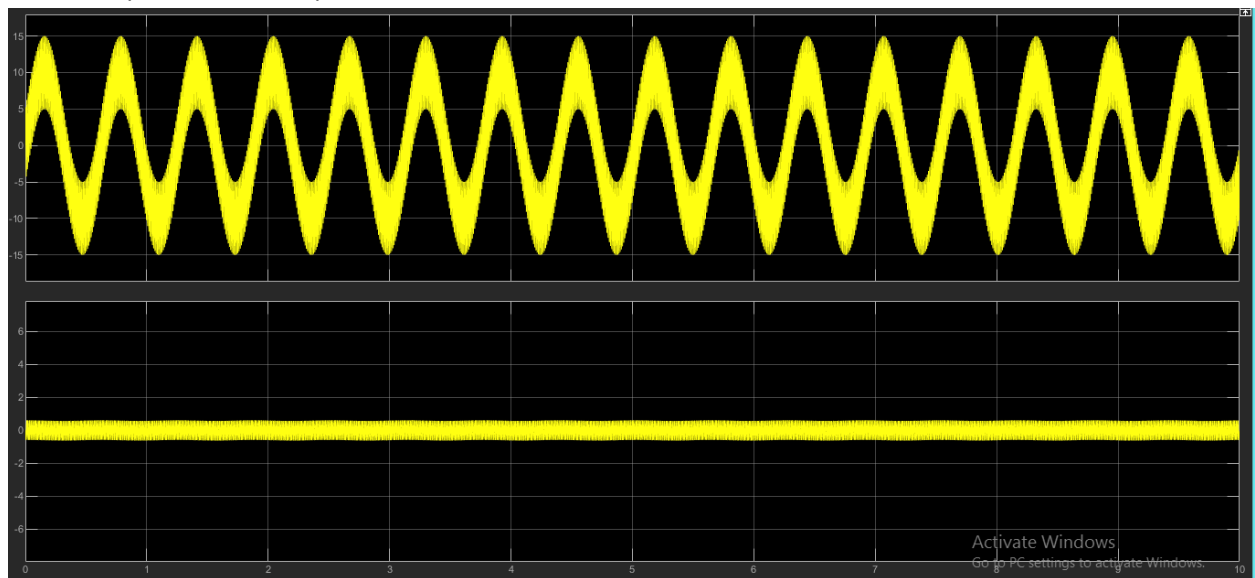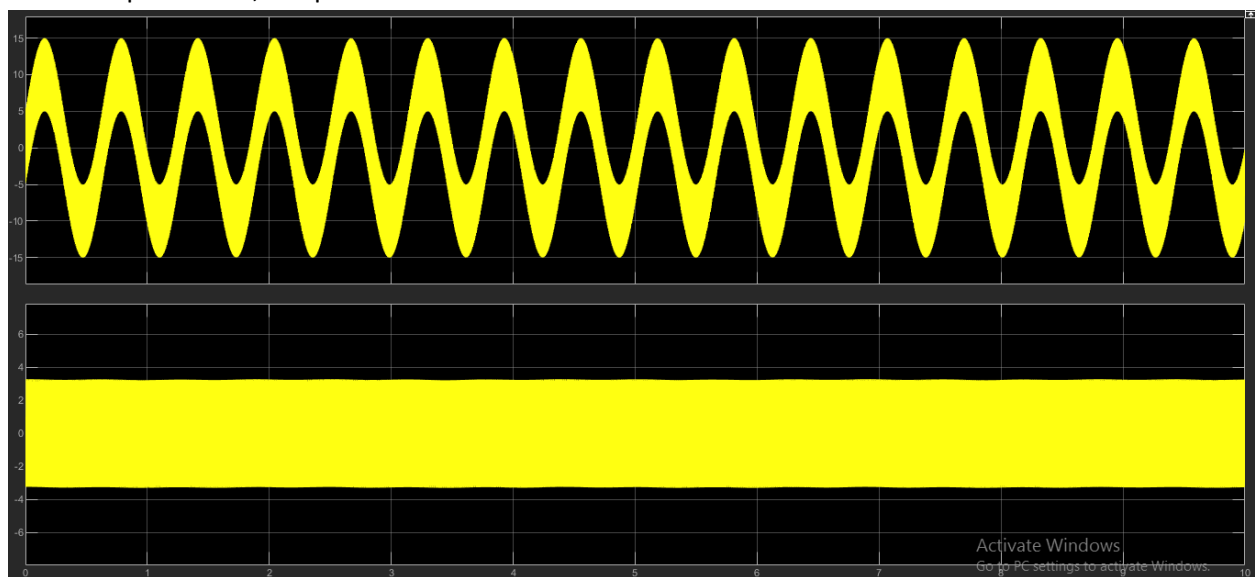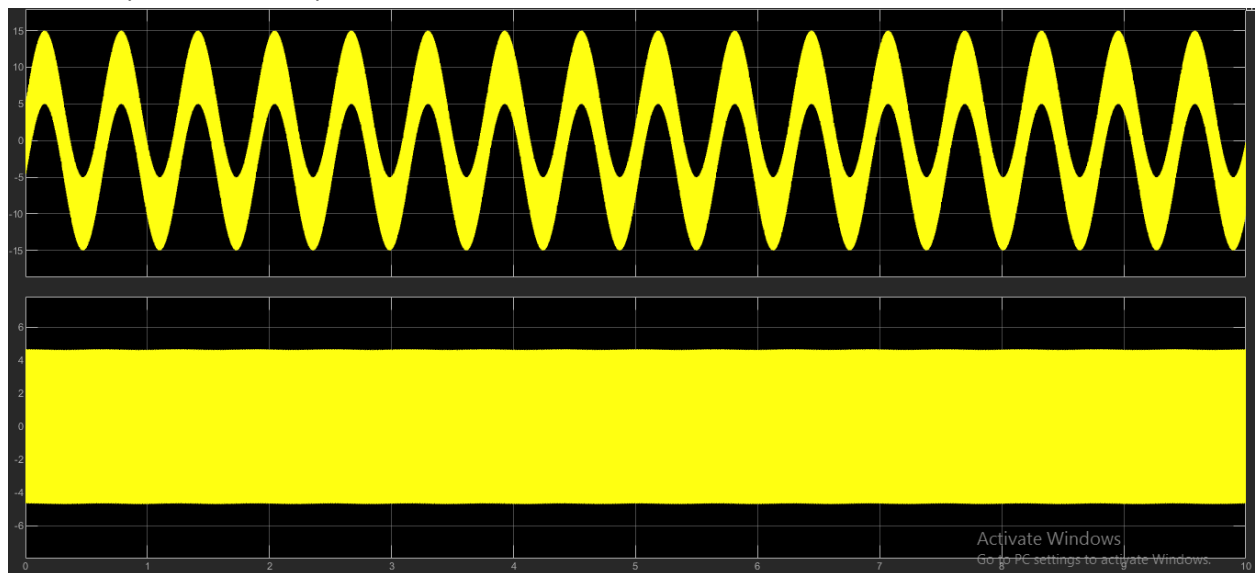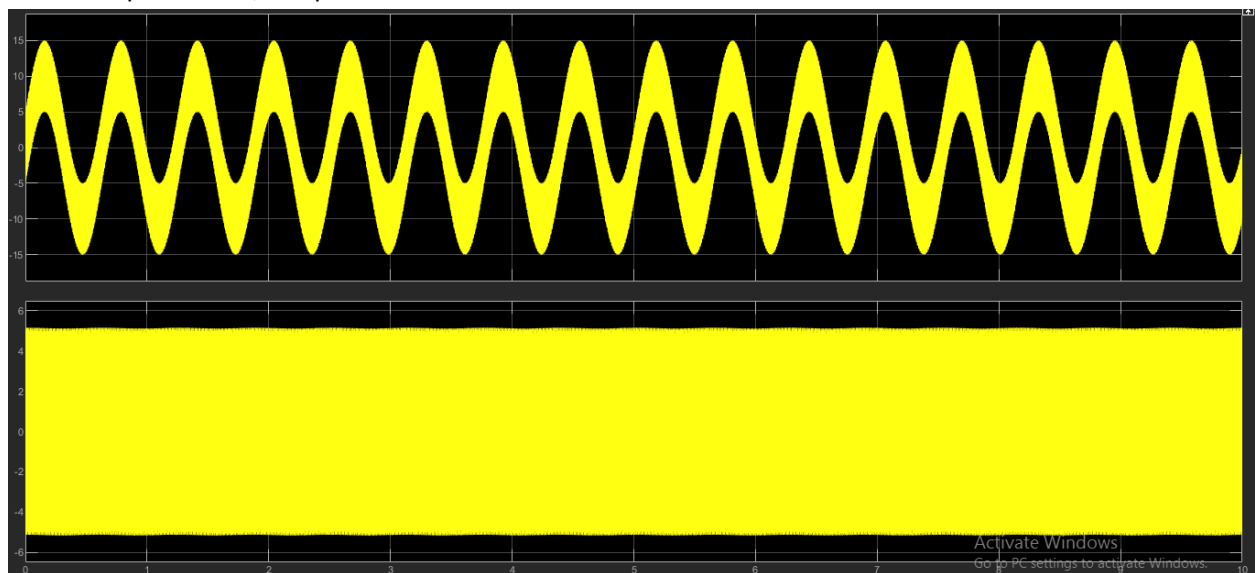Noise: Amplitude = 5, Freq = 101Hz
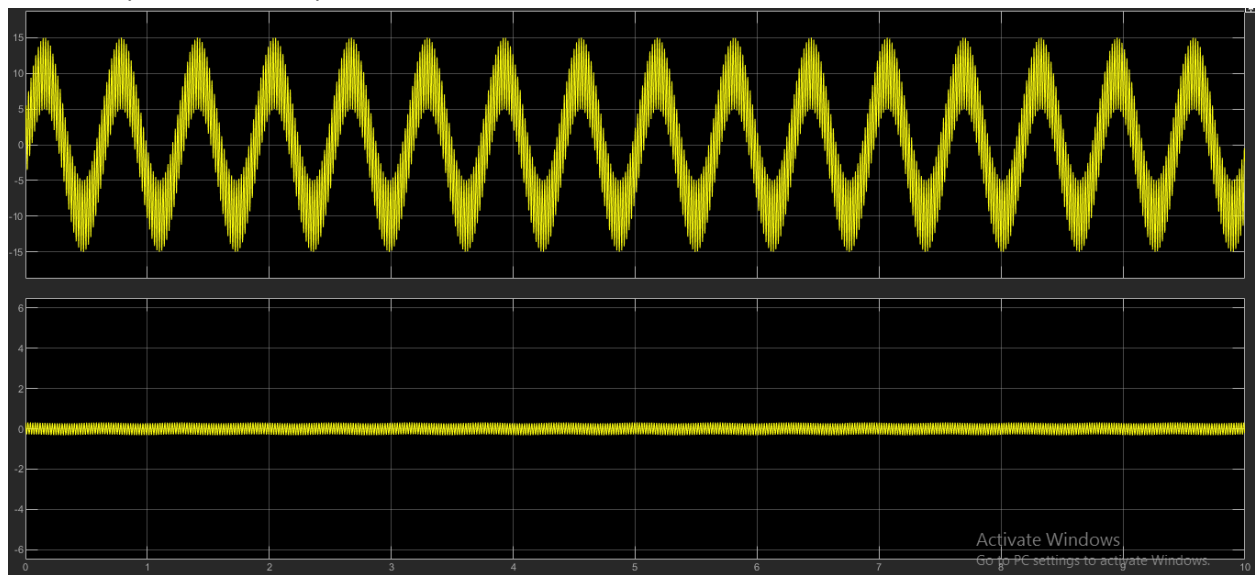

Noise: Amplitude = 5, Freq = 600Hz

Noise: Amplitude = 5, Freq = 950Hz

Noise: Amplitude = 5, Freq = 1100Hz

Noise: Amplitude = 5, Freq = 5050Hz

The wave appears to have lower frequency because of the sampling time being 5000Hz