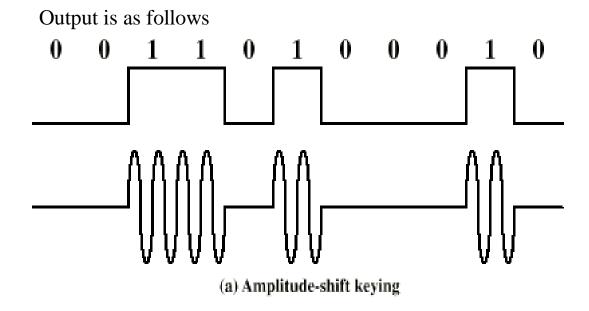
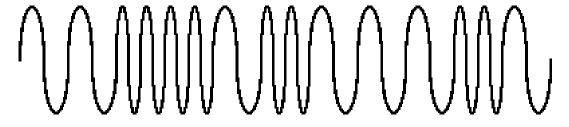
Assignment on Digital Carrier Modulation

1)Generate the waveform of BASK signal for T=bit duration=1 ms and amplitude 1 unit while sinusoidal carrier of frequency fc=1MHz and amplitude 1 unit.



2)Generate the waveform of BFSK signal for for T=bit duration=1 ms and amplitude 1 unit and while sinusoidal carrier of frequency fc=1MHz and amplitude 1 unit with frequency deviation =100 Hz

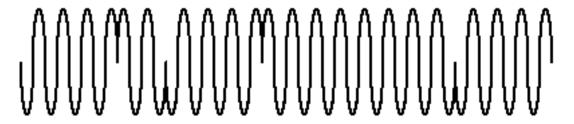
Output is as follows



(b) Frequency-shift keying

3)Generate BPSK signal for for T=bit duration=1 ms and amplitude 1 unit while sinusoidal carrier of frequency fc=1MHz and amplitude 1 unit. For transition of bit 0 to 1, $\cos(2*pi*fc*t+180)$

Output is as follows



(c) Phase-shift keying