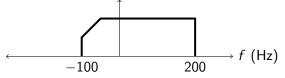
Signals

(1) The spectral representation of a signal x(t) is contained within the graph shown below. From the given choices, the minimal sample-rate such that x(t) can be recovered from it samples is (A) 200 Hz (B) 299Hz (C) 400 Hz (D) 600 Hz



- (2) A signal x(t) with maximum frequency below 1000 Hz, was sampled at 4000 samples per second. The formula to get back x(t) from the samples is
- (3) Find a periodic signal orthogonal to the x(t) given below.

