

Department of Electronics & Communication Engineering

Faculty of Engineering, Integral University, Lucknow

Surprise Test 01

Signals & Systems (IEC-402)

Time : 30 Minutes

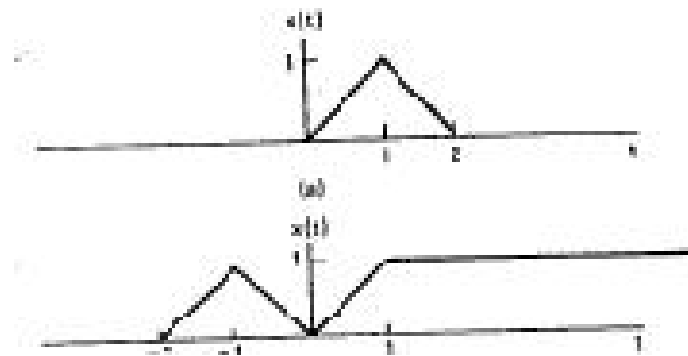
Candidate Name & Roll Number :

Maximum Marks : 10

Group: Second Year EC-2

Attempt all questions..

1. Calculate even & odd part of the following.



2. Determine the complex exponential Fourier series magnitude and phase spectrum of the signal  $x(t)$  as shown in the figure.

