Ibtal No. of Questions: 10 J	[Total No. of Printed Pages : 3
	Rolf No

EC-605

B. E. (Sixth Semester) EXAMINATION, June, 2012 (Electronics & Communication Engg. Branch)

COMMUNICATION NETWORK AND TRANSMISSION LINES

(EC - 605)

Time: Three Hours Maximum Marks: 100 Minimum Pass Marks: 35

Note: Attempt any one question from each Unit. Total five questions are to be attempted. All questions carry equal marks.

light - t

- I. (a) What are the lattice and bridge T-Networks ? What is characteristic impedance and its importance in transmission line ?
 10
 - (b) Design an asymmetrical T-attenuator with 40 dB loss to work between a source impedance of 100 ohm and load impedance of 600 ohm.

Or

- (a) A symmetrical T-section network composed of pure resistance has open and short circuit impedance of 800 ∠ 0° and 600 ∠ 0° respectively. Determine the components of the network.
 - (b) Define the attenuator and iterative impedance. 10

RT'