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EC - 605(NGS)

B.E. VI Semester

Examination, June 2013

Communication Network & Transmission Lines

(Non-Grading Scheme)

Time : Three Hours

Maximum Marks : 100   Minimum pass Marks: 35

Note: Attempt any five questions. All questions carry equal marks.

1. Discuss the following parameter of symmetrical two port networks.

   a) Image impedance

   b) Iterative impedance

   c) Characteristic impedance

   d) Propagation coefficient

2. a) Discuss about the matching techniques in communication networks.

   b) Explain the working of a symmetrical alternators.

3. a) Discuss the designing of band pass filter.

   b) Explain the working of m-derived filter.

4. a) Discuss briefly about the designing of composite filter.

   b) Explain briefly about Butter worth approximation.

5. a) Discuss briefly about foster carer networks.

   b) Explain briefly about Brune's method.

6. a) Discuss the principle working of phase equalizer.

   b) How to locate line fault.

7. a) Characterize the voltage and current on a dissipation less line.

   b) How to measure power and impedance of a line?

8. Write short notes on any two of the following :

   a) Minimum positive real function

   b) T and π equivalents of line

   c) Stub matching

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