MODEL QUESTION PAPER

BF4 - P

I Semester B.TECH Examination, August 2011
ELECTRICAL TECHNOLOGY

Time: 01 Hours   Max.Marks: 25

Q.1   Find the amplitude, phase and frequency of the a.c. i=90 √2 sin623t.

Q.2   Perform open circuit test & short circuit test on a single phase Transformer.

Q.3   To verify maximum power transfer theorem in D.C. circuit & A.C. circuit.

Q.4   Find the expression for current in R-L-C series circuit. Draw phasor diagram.

Q.5   The total flux at the end of a long permanent bar magnet is 150×10^{-6} Wb. The end of this magnet is withdrawn through a 1500 turns coil in 1/25 seconds. Find the emf induced in the coil.

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