Department of Electrical Engineering Sessional Assignment Course Details

Course Title:	DC Machines & Transformers	Module:	2 nd (BTech)
	Student Details		
Name:		Student ID:	

Q1: A transformer, when operated at 100V in the primary, the current in the primary is 4A. Find the current in the secondary winding if the voltage is stepped up to 600V.

Q2: A 3300/250V, 50Hz, single phase transformer is built on an iron core having an effective cross sectional area of 125cm² and 70 turns low voltage winding. Calculate:

- a) The value of maximum flux density
- b) The number of turns on the high voltage winding

Q3: A transformer with 800 primary turns and 200 secondary turns is supplied from a 100V AC supply. Calculate the secondary voltage and the volts per turn.