Examination Feedback for EEE202(Module Code) – Electromagnetic Energy Conversion(Title)
Spring Semester 2007-08

Feedback for EEE202 Session:2007-2008

Feedback: Please write simple statements about how well students addressed the exam paper in general and each individual question in particular including common problems/mistakes and areas of concern in the boxes provided below. Increase row height if necessary.

General Comments:

This was a reasonable paper, with a great deal having some similarity to some previous questions. However it is apparent that either people don't seriously attempt past papers, or use the answers to give themselves false confidence. Students seem to be of the opinion that equations and constants should be all given to them, I suggest learning a few, and perhaps even learning how to apply them.

Question 1:

Part A is a straight forward proof, most people made a reasonable attempt at this, however some students even managed to get this wrong. The question is very similar to one on a previous paper, and I am surprised how difficult people made it. Part B is a calculation, once again similar to a past paper, and a surprising number of people seem unable to use the equation given in part A. Part C is a small explanation to be taken straight from the notes. Given the amount of spurious answers I got, I assume not many people actually read the notes.

Question 2:

Part A requires some thought, but is relatively straight forward. People either got it right, or spectacularly wrong, the ones that got it wrong cannot convert from distance to speed and to acceleration, and have little idea as to how to convert from linear motion to rotary - this school level Physics. Part B presented no problems other than people being unable to apply simple equations in the real world, and Part C should have been straight out of the notes as I spent most of a lecture covering this. Part D was straight from the notes, and not many people could reproduce this ok, and Part E was definitions, once again given in the notes.

Question 3:

Part A was definitions straight from the notes, most people got this correct, however one person commented 'where is the locked rotor test in the notes?' – to this person I can only say, 'Page 83!' Part B seemed to pose a number of problems, the main ones being i) the inability to manipulate the equations and ii) the inability to apply the equations.

Question 4:

Part A was trivial for most people, and impossibly difficult for 4 people. Please remember, just writing the equation down does not constitute a proof! Part B was straight from the notes, and was answered well, as was Part C. Part D was a difficult bit to see who could think and work 'outside the box' – the answers to this were extremely disappointing.

Question 5:

Question_6:

Question_7:

Question_8: