

Examination Feedback for EEE207 – Semiconductors for Electronics
Spring Semester 2011-12

Feedback for EEE207 Session: 2011-2012

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:

The student did quite well overall with a decent mark in most cases. No one question seemed to pose any problems.

Question 1:

Other than for silly mistakes, most people did OK in this. Some people over-complicated (c), which was actually quite straightforward.

Question 2:

Very straightforward parts (a) and (b). Several students did not seem to understand that qualitatively means that no calculation is required, so did more than was necessary. Part (d) seemed to confuse people, despite having appeared in various forms over the years.

Question 3:

Surprisingly, a number of people did not draw the gate in part (a) accurately. They went into a detailed description of how the MOST works despite the question not asking for it. Part (c) was confusing for lots of people – many confused V_d with the 100V supply. Only few got to do (d) correctly.

Question 4:

Relatively few attempted Q4, but those that did seemed to perform well. Some got the units of part (b) confused between joules and eV. Many did not draw the CB and VB accurately to show that the hole mass was clearly larger.