

Examination Feedback for EEE207(Module Code) – *Semiconductors for Electronics & Devices
Spring Semester 2007-08

Feedback for EEE207 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:

Generally quite well done but with large variations between questions.. There seems to be a tendency to 'dive' into a question and do many calculations without seeing if there is a simple, obvious answer.

Question 1:

Few students scored highly, although few did badly. Most got (a) & (b) correct, but seemed to get confused in (c). Very few got (d) correct.

Question 2:

Everyone got (a) correct but no one got (b) correct – you needed to SHOW the condition is valid in the saturation region. Most students just substituted what was given in the question and rearranged it. (c) was no problem. Surprisingly many got confused by (d), even though they realized that $V_{ds}=V_{gs}$. (d) was very poor with many students not realizing that in one of the cases, a channel isn't formed, so no current can flow.

Question 3:

(a) & (b) were easy as it was in previous exams and is from the notes. (c) was generally OK for the first few parts but few got the efficiency correct. Very few people got the last part correct – they didn't realize that doubling the wavelength would half the photon energy and no electrons would be emitted.

Question 4:

This question helped most students raise their average mark and although was similar to questions in previous years, showed that students had understood most of this topic quite well.

Question 5:

Question 6:

Question 7:

Question 8: