

Feedback for EEE340 Session: 2012-2013

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 majority of student made a reasonable attempt at the paper. All questions were attempted and the spread of marks for these questions range from very poor to full marks. Overall I am happy with the marks given the very low turnout at the tutorials (<25%) and less than 70% attendance at lectures.

Question 1:

Part c) Silly mistakes like not labeling graphs or forgetting that v^- is a unipolar signal
Part e) Several students struggled with $R_1=3R_2=1k$ and read it as $R_1=3$, $R_2=1k$. This is standard notation in EEE and it means $R_1=1k$ and $3R_2=1k$.

Question 2:

Part a) Some students confused the BTJ characteristics with MOSFET.
Part d) Speed up capacitor. Some students recalculated a value for I_b based on $-3V$, which is incorrect during the reverse recovery process.
Part e) Diode connected incorrectly, facing wrong way or anode connection in the wrong place.

Question 3:

Part a) There are two conditions Gain=1 Phase=0 and Gain=-1 Phase=-180
Part d) Some students forgot that $w=2\pi f$, others got incorrect gain for non-inverting amplifier

Question 4:

Part b) The question states that the diode forward voltage drop is 1V NOT 0.7V
Part c) Many students did not describe the purpose of R_b .