

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

King Fahd University of Petroleum and Minerals  
Department of Electrical Engineering

Semester I 2006/2007 EE303 Electronics II

Major (2)

ATTEMP ALL QUESTIONS  
TIME ALLOWED 50 MINUTES

Q1. Consider the circuit shown in Fig. 1 and answer the following questions:

1. Find the input resistance of this circuit.
2. Obtain the transfer function of this circuit.
3. Based on your answer in (2) identify this circuit.

Q2. The circuit shown in Fig. 2 is used to measure the offset voltage. Assuming that the two bias currents are equal, find the offset voltage if the output voltage is 0.35 V.

