

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

King Fahd University of Petroleum and Minerals
Department of Electrical Engineering

Semester I 2006/2007

EE303 Electronics II

Quiz (2)

ATTEMPT ALL QUESTIONS
TIME ALLOWED 10 MINUTES

The input voltage of the amplifier shown in figure is expected to be as low as 5 mV with maximum frequency = 10 kHz and the gain is required to be approximately -100. You are requested to select appropriate values for the resistors and to specify the gain-bandwidth product of the required operational amplifier.

PLEASE SHOW ALL YOUR CALCULATIONS AND JUSTIFY THE BASIS OF ANY SELECTION YOU MAKE.

