

ECET 337
Exam 3
Overview

A. Circuits – all second order – Table of α and k_{LP} given.

1. Low pass – Sallen Key or RLC (my choice)
 - a. Bessel
 - b. Butterworth
 - c. Chebyshev
2. High pass – Sallen Key or RLC (my choice)
 - a. Bessel
 - b. Butterworth
 - c. Chebyshev
3. Bandpass – op amp or RLC (my choice)

B. Given

1. Schematic
2. Parameters
3. Transfer function

C. Questions

1. Draw the schematic
2. A_o (ratio and dB), f_{-3dB} , f_o , ω_o , type, roll-off rate (dB/octave & dB/decade), α , Q , Δf , phase at f_o
3. What is the transfer function