

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS

Electrical Engineering Department

EE-416 Analog Filter Design

Instructor: Dr. Hussain Alzaher

Quiz.#4

Name:

I.D.#

Serial #:

Realize Butterworth lowpass response with gain 0 dB, $Q = 0.707$, and $f_o = 100\text{kHz}$ using Ackerberg-Mossberg filter. Explain how would you adjust the filter parameters to 10 dB, $Q = 0.707$, and $f_o = 10\text{kHz}$