

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
Electrical Engineering Department
EE-416 Analog Filter Design
Instructor: Dr. Hussain Alzaher
Quiz.#1

Name:

I.D.#

Serial #:

Design a Chebyshev lowpass filter with a passband in $0 \leq f \leq 65$ kHz and $\alpha_{\max} = 0.5$ dB; the stopband is in $f \geq 135$ kHz with a minimum attenuation of $\alpha_{\min} = 30$ dB.