

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
Electrical Engineering Department
EE-416 Analog Filter Design
Instructor: Dr. Hussain Alzaher
Quiz #2

Name:

I.D.#

Serial #:

1) (a) Determine (estimate) the degrees necessary for Cauer (elliptic) filter to meet the following requirements.

$\alpha_{\max} [dB]$	$\alpha_{\min} [dB]$	$\omega_p [rad / s]$	$\omega_s [rad / s]$
3	30	1000	1200

(b) Determine the transfer function of Cauer (elliptic) lowpass filters that meets the above specifications