

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 #:

For the following transfer function, select pole-zero pairing and section ordering to maximize the dynamic range.

$$T(s) = \frac{H_M s(s^2 + 1)}{(s^2 + 0.2s + 0.87)(s^2 + 0.5s + 1)}$$