# MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO

###### DEPARTMENT OF BIOMEDICAL ENGINEERING

SECOND TERM THIRDYEAR (10-BIOMEDICAL BATCH)

SESSIONAL THEORY TEST 2012

#### BIOMEDICAL CONTROL SYSTEMS

Date**: 24-09-2012** Time Allowed**: 20 Minutes.** Max: Marks. **05.**

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| **Problem: Make a Routh table and tell how many roots of the following polynomial are in the right half-plane and in the left half-plane.** |

**Solution:**

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**Four roots of the characteristic equation lie in the right half-plane (rhp), and three roots lie of the characteristic equation in the left half-plane (lhp). Therefore the system is unstable.**