ISRA UNIVERSITY

Islamabad Campus

Department of Electrical Engineering
Program: B.E. (Electrical)
Semester – Summer 2016

MS-121 Linear Algebra

Quiz – 3
Marks: 20   **Handout Date: 18/08/2016**

Question # 1:

Find the cosine of the angle θ between **u** and **w**:
1. $\mathbf{u} = (1, -5, 4)$, $\mathbf{w} = (3, 3, 3)$
2. $\mathbf{u} = (2, 5)$, $\mathbf{w} = (4, -3)$

Question # 2:

Whether the following set of vector in R^4 is linearly dependent?

$$(3,8,7,-3), (1,5,3,-1), (2,-1,2,6), (1,4,0,3)$$