King Fahd University of Petroleum and Minerals

Department of Mathematics and Statistics

Math-201    Semester-111    QUIZ  III

NAME:                          S.No.                          ID:

Maximum Marks: 10          Section:06          Time Allowed: 25 minutes

(1)Find the symmetric equations for the line of intersection of the planes $x+y-z=2$ and $3x-4y+5z=6$.

(2)Identify and sketch the quadratic surface $x^2 - y^2 + z^2 - 4x - 2y - 2z + 4 = 0$.