| Math 201 | Quiz 2(b) | Time: 20 minutes | | | Date: 27-10-15 | |
| Name | | ID | Sr | Sec | Marks:- | $/8$ |

Q 1. Show that L_1: $x = 1 + t$, $y = -2 + 3t$, $z = 4 - t$ and L_2: $x = 2s$, $y = 3 + s$, $z = -3 + 4s$ are skew.

Q2. Identify and sketch the surface: $x^2 + 2z^2 + 10 = 6x + y$.

Math 201	Quiz 2(c)	Time: 20 minutes			Date: 27-10-15	
Name		ID	Sr	Sec	Marks:	$/8$

Q 1. Find the distance between the line $x = 1 - t,\ y = 2 + t, z = 3 - t$ and the plane $3x + y - 2z = 6$.

Q2. Identify and sketch the surface: $x^2 + 4y^2 = z^2 + 4$.

Math 201	Quiz 2(d)	Time: 20 minutes			Date: 27-10-15
Name	ID		Sr	Sec	Marks:- $/8$

Q 1. Find equation of plane through the origin and the points $(2, -4, 6)$ and $(5, 1, 3)$.

Q2. Identify and sketch the surface: $36(1 - x^2) = 4y^2 + 9z^2$.