# Assignment - Intermediate Microeconomics I

## Semester-3

## BA (H) Economics

**Paper:** Intermediate Microeconomics - I: Behavioural foundations of Market Interactions

**Date:** 20/9/2023

**Marks:** 12

Dr. Shivani Gupta

**Answer all questions.**

**Q.1** Plot following indifference curves from given utility function:

1) $U(x,y) = \min\{3x, 2y\}$
2) $U(x,y) = 2x + 5y$
3) $U(x,y) = \max\{7x, 4y\}$
4) $U(x,y) = x - y$
5) $U(x,y) = \sqrt{x}\, y$

(5 Marks)

**Q.2** Find consumer equilibrium:

$P_1 = 1$, $P_2 = 1$, $M = 50$

1) $U(x_1, x_2) = 2x_1^2 + x_2^2$
2) $U(x_1, x_2) = x_1 + x_2^2$

(7 Marks)