AMIRAJ
COLLEGE OF ENGINEERING & TECHNOLOGY

ASSIGNMENT : 2

UNIT : 2 Exercise on Graphical solution of linear programing problems

1. Use graphical method to solve the following LPP .

    Maximize $Z = 17 X_1 + 15 X_2$

    Subject to: $15X_1 + 25X_2 \leq 375$

    $24X_1 + 11X_2 \leq 265$

    All $X_1, X_2 \geq 0$

2. Use Graphical Method to Solve the Following LPP.

    Maximize $W = 2y_1 + y_2$

    Subjected to $y_1 + 2y_2 \leq 10$

    $y_1 + y_2 \leq 6$

    $y_1 - y_2 \leq 2$

    $y_1 - 2y_2 \leq 1$ and $y_1, y_2 \geq 0$