Q1

Q For any LPP with feasible region described by the equations
$$2\pi_1 + \pi_2 \le 6$$
 $\pi_1 + \pi_2 \le 4$ $\pi_1, \pi_2 \ne 0$

If the optimal solution lies at (3,0) then,

Correct Answer: Option 2 (lies on the w1 axis)

Q2:

Of the number of iterations taken by dual simplex method to find the obtimal solution to min 21,+12 36

21,+12 7/0

are:

Correct Answer: Option 4 (2 iterations)

Q3 :

Q For the two slatements A and B given as

- (A) Primal has an optimal solution if dual has an optimal solution.
- (B) Duality is a symethric relation, i.e. dual of dual istrimal.

Q4:

Correct Anwser: Option 1 (Both the LPP and its dual attain optimality at the same point)

Q5 :

Correct Answer: Option 2 (lies in the second Quadrant)

Q6 :