

3Q set-I

3AQ:- Define Branch and Bound. Discuss L.C of B & FIFO.
(OR)

3BQ:- Describe FIFO B & B. Draw

$$n=5, (P_1, P_2, \dots, P_5) = (10, 15, 6, 8, 4)$$

$$(w_1, w_2, \dots, w_5) = (4, 6, 3, 4, 2) \text{ \& } M=12.$$

⇒ This Answer is same as
4Q I sended. But you
extend upto 5th node = 5 path.

same

set-I

3AQ:- Draw FIFO BB for Knapsack

$$n=5, P_1, (P_1, P_2, \dots, P_5) = (10, 15, 6, 8, 4)$$

$$(w_1, w_2, \dots, w_5) = (4, 6, 3, 4, 2) \text{ \& } M=12.$$

(OR)

3BQ:- Draw Travelling sales person problem.

4Q.

	1	2	3	4	5
1	∞	20	30	10	11
2	15	∞	30	10	11
3	3	5	∞	2	4
4	19	6	18	∞	3
5	16	4	7	16	∞