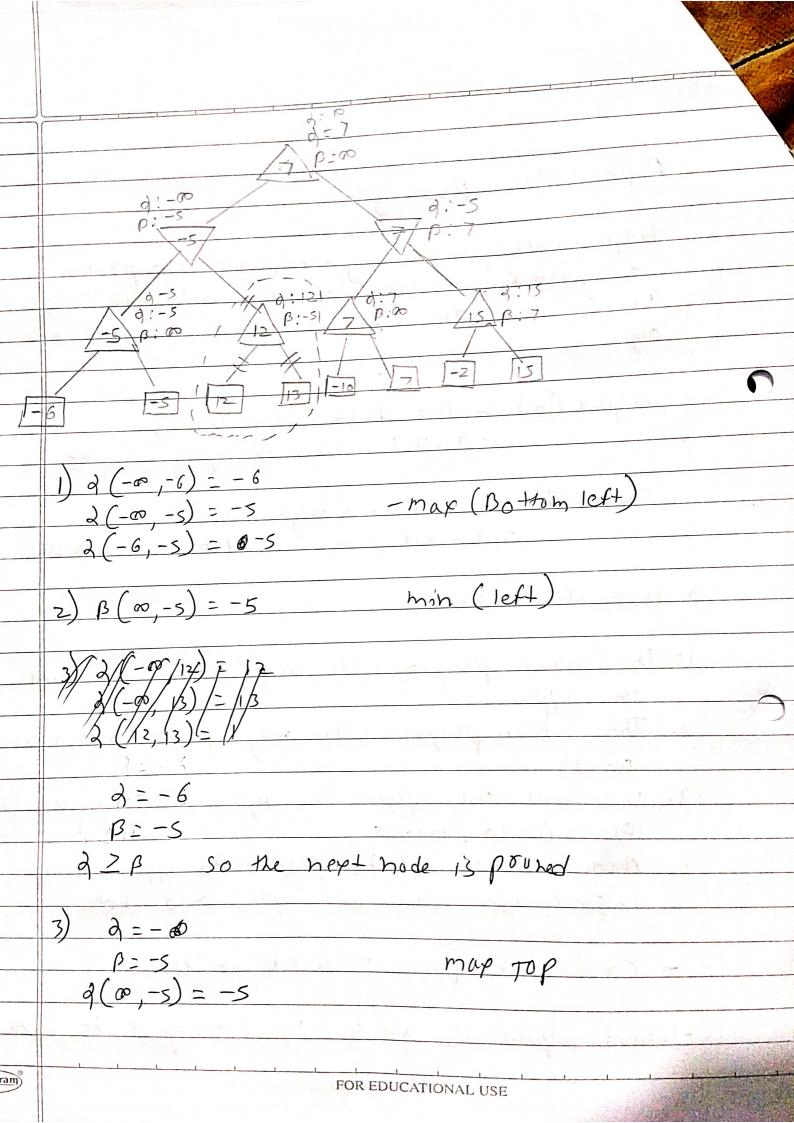
Name: - Rushikesh Belekar Rollnoi- 05 Class: - BE IT Subject: 15 lab DOP DOS mark Sigh

Alpha - Beta Pruning:-Alphabeta pumpouning - Alpha into pruning is a modified version of the min map algo II is an optimization technique for the min may -Alpha (4):- The first (high value)
= Initial value of alpha i's - 0 -Beta (B) = The first (high value) = Initial value is Beta is + & 00 * Rule of Condition · The map player will only update the value of appha 2. The min player will only update the value 3. we will only pass the olpha, beta value to the Child hodes 4. Node value will be passed to upper hode insted of value of alpha and beta - condition to prine: a>b or b < a · when alpha is greater than or egual to beta FOR EDUCATIONAL USE



4)
$$2 \frac{(-5, -10)}{2(-5, -10)} = -10$$

 $2(-5, -10) = -10$
 $2(-5, -10) = 7$
 $2(-10, 7) = 7$

5)
$$4 \frac{(7, \infty)}{\beta(\infty, 7)} = 7$$

$$\beta(\infty, 7) = 7$$

$$\beta = -5$$

$$\beta = 7$$

6)
$$\beta(0,-z) = -2$$

 $\beta(0,15) = 15$
 $\beta(-2,15) = 15$

7)
$$2 \notin \beta(\infty, 7) = 7$$
 $\beta = 45$

$$y)$$
 $a(-5,7) = 7$ Solution.