Arunima Singh Chahur, 180905218, Secc
Roll no 31, Branch CSE, EEFM Assignment 2
in the state of th
Question 5 - Reg. No. ending with 8
Airst cost = \$40,000
Receipt in 1st year = \$8,400
coith a decreasing amount of \$500/ year
so, return for 15 years will form an AP
8400, 7900, 7400 15 terms
a = 8400
d = -800
n = 15
Sum = 15/2 [2 + 8400 + 14 * (-800)]
1000 TOOO
dum = 15/2+9,800
m = \$73,500
Pax will also form an AP
\$2400, 2200, \S TERMS
a 2 2400
d = -200
h = 15/ [2 1-2
Sum = 15/2 [2 + 2400 + 14 (-20)]
Sum = 15/2 [4800 - 2800]
dum = \$15,000 (Total tax spendings)
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Net revenue = \$58,500 - \$15,000

First cost=\$40,000

Yevenue in first year = \$84,000

revenue declines by \$500 each year.

(7900, 7400, etg)

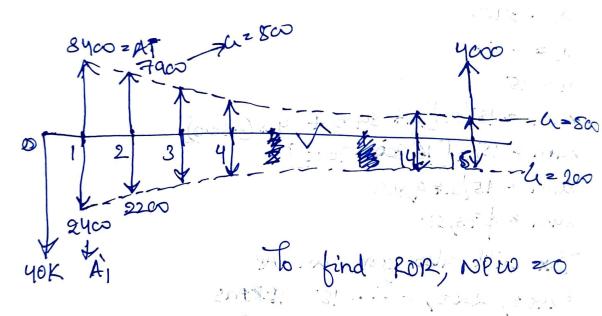
time = 15 yrs

salvage val = \$4000

income taxes = 2400, 2000, 2000

(1st yr) (2nd yr) (3rd)
(1st yr) (2nd yr)

CFD :-



NPW = -40,000 + [84,000 - 500 (Ala,i,15)] (P/A,i,15) + 4000 (P/F, i,15) + [-2400+200] (Ala,i,15)] (P/A,i,15)

Pω (127%) = 364.4408 NPω (1210%) = -5452.0222

364.4408 +5452.0222

2) ROR = 7.1886 /) And