14.06.22. UNIT - IY Depreciation of head of the property A Value of assets decreases in every The Estimated Selection will maniprometr at the end of the time of in the server Method of Depreciation. from such market 1) Straight line Method of Depriciation ii) Declining Balance iii) Sum q years Digits IV) Suck fund V). Service output (100,00) : 1 = 9 STRAIGHT LINE METHOD OF DEPRECIATION. -) Fixed amount of Depreciation. P- Fixed cost of the asset. F - Salvage Value / Future nesale value. N - No. of years. [Life of the Asset] Dt - Depreciation amount for period (+) Bt - Book value for period (t) Dt = (P-F)/n

$$Dt = (P - F)/n$$

 $Bt = Bt - 1 - Dt \cdot / B_{t-1} - D_{t}$

Specific period (t)

1.) A company has purchased an equipment whose 1st first cost is Rs. 1,00,000 with an estimated life of 8 years. The Estimated Salvage value of againment at the end of life time of is Rs: 20,000 Determine the Deprizeration charge & Book value at the end various years using straight line method Depreciation. Given: P = Rs: 100,000/-F = Rs: do,000 3M 3M = (100,000 - 20,000) \$8 = (80,000)/8 = Rs: 10,000/-Dt = 10,000/

34)	P9:39	
4		The sale of

Period	Deprevation	Bookvalue
(t)	(Dt)	(B +)
2 = 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ooo Keez Fak	100,000
l	10,000	90,000
2	10,000 8 XX	80,000
3	10,000	70,000
4	D-2 x [5,000,0]	60,000
5	عصوره م	50,000
6	10,000	40,000
7	10,000	8 30,000
8	000 10,000000,00,1	20,000
specific period (4)	20,00,00	
d = 4		

$$B_{4} = P - t \times [(P-F)/n] Dt$$

$$= [p0,000 - 4 \times [10,000]]$$

$$= [100,000 - 40,000]$$

= B: 60,000 / -

BALANCE IN 950

ii) DECLINING METHOD : -

Value of the previous period of the Book

Value of the previous period of the Asset

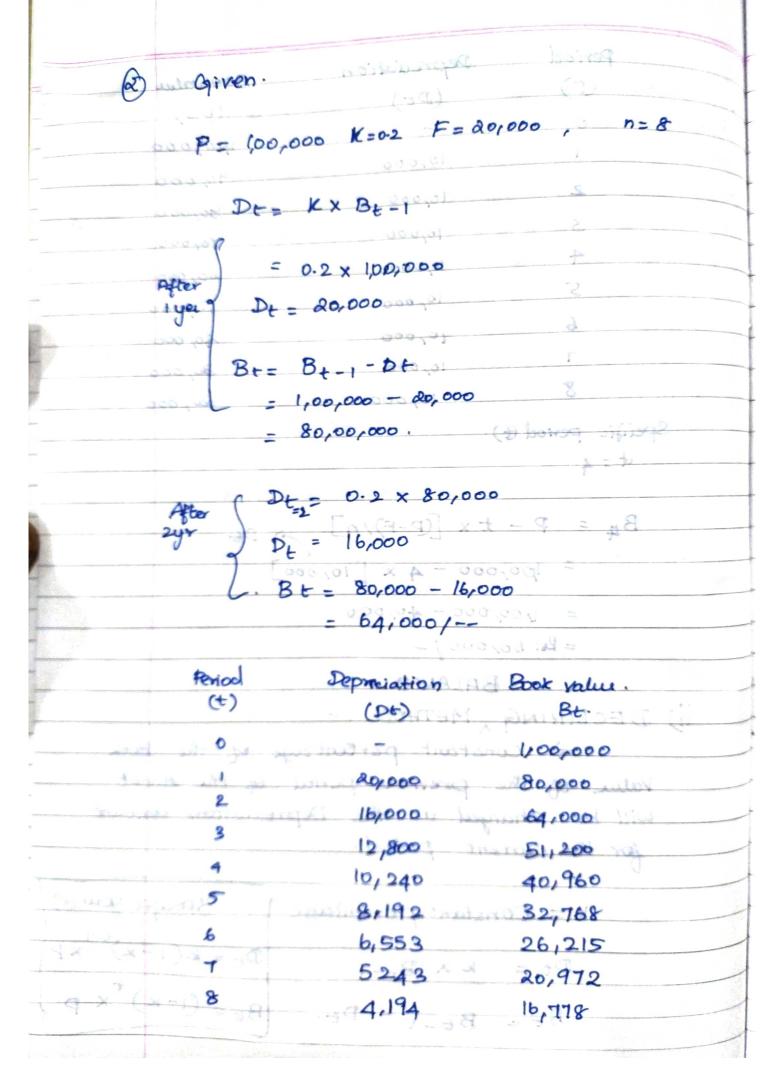
will be charged as the Depreciation amount

for the current period.

$$k = Constant percentage$$

Specific year(t)

 $Dt = k \times B_{t-1}$
 $Dt = k(1-k) \times P$
 $Bt = Bt - 1 + Dt$
 $Bt = (1-k) \times P$



(3) Rate =
$$\frac{8}{100} = \frac{8}{100} = \frac{8}{$$



IN SINKING METHOD OF DEPREBIATION

-> Book value decreases at increasing nate.

Deprediction

P FE n poed Bt Dt.

A - Annual equalent amount

I - state of setwen component annually

Formula:

1,00,00,00

 $A = (P-F) \times [P/F, 1, n]$

Dt = (P-F) x [A/F, i, n] x [+/P, i, +-]

Bt = P-[P-F] x [A/F,i,n] x [F/P,i,t]

A/F, 10%, 4

J = 127

A= [(P-F) x [A/F, 2, n] fixed Depreciation for every year.

= (100,000 - 20,000) x [A/F, 12,8]

= 80,000 x .0813

A = 6504

	End ob	Fined	Net Oliv	Book Value.
	year	Depreciation	Depreciation	
T.	232 Oct. 335	and the second	Bees value d	
	ò	6504	-	1,00,000
	301	6504	6504.	93,496
	2	11	7284.48	86,211.52
	3	alent alleric	8156.01	78055.51
Ly	at produce	return somprio	•	2
	5	1,		
	6	11	mula:	801
	7	"		
	8	6504	$X = (P - F) \times$	4
1000			(5.0)	
1-1	Dos	(P-F) x (A/F, 2, 1	1 × [=/p, 1, to	<u>I</u>
1	FIFIP	80,000 X (A/F/	218] x [F/p,]	2,2-1]
		80,000 × 0.08		
		= 7284.48	101.	1
			B	
	35	RM (P-F) x [A	F, 12,8] x /7	12,2
Út.	=	40060001-80,000	X 0.0812 X	1.254
huisma	13 beat 1 =	8156.01		,
- river !	C POT EVE CO	47,319	to (P-F) X	-
	8,01	al At too que	- 009100/)-	
		= 93,496 - 72	284.48	
		= 86,211.52	- C	
		11	#039 = B	
- 20			(

V) SERVICE OUTPUT METHOD.

X = quantity of service used / nentered.

P = 80,00,000

F = 50,000

x = 2,000 km. - 3 yrs.

X = 75,000 km - 5yrs

Depreciation unit of service = P-F/X

Depreciation quant à service = in a period

Deprevation = 80,00,000 - 50,000 for 3 years 75,000

212,000