19B(5187 UEIMOO7-28-0)-2012 1	19B(E187	UE114007.	-28-0)	-2011 1
-------------------------------	----------	-----------	--------	---------

1-11/2

	[[BC[187] 0=111004,=2]=0]		
0 2	Probability of	Possible veture	
Q.2 =	Occurence		
	0.1	- 10 %	
	0.2	5 ·l·	
	0.4	20.1.	
	0.2	35./.	
	0.1	20 ·l·	
	Sexualed wehrn = (0.1)	(-10) + (0.2)(7) + (0.4)(20) +	
	CAPECILY VOISING		
	(0.2)	(35) + (0.1)(50)	
		+ 1 + 0 + 7 + 149 T	
		= -1 + 1 + 8 + 7 + 140 5 $= 20$	
	- at	•	
	(b) standard doing the = 0	$1.1(-10-20)^{2} + 0.2(5-20)^{2} + 0.4(20-20)^{2} + 0.2(35-20)^{2}$	
	of velum	+ 0.4(20-20) + 0.2(35-20)	
	V ($+0.1(50-20)^2$	
	= (0.1	$\frac{(900) + 0.2(225) + \frac{3}{2}}{4(0) + 0.2(225) + 0.1(900)}$	
	0	-4(6) + (7.2(22) + 0.2(40))	
	= [90 + 45	+0+45+90]2	
	= (270)		
	= \270		
	- Yx+U		
	= 16,4316	·/-	

19BCE187 UEIMOO7_28-03-2022_2

	@ Company PUT in is expected
	to earn same benef of return with
	Standard deviation of do.
	standard deviation
	Now, this ris greater than Standard deviation of Exe for an eye company i.e. 16.431. (20 > 16.431)
	deviation of exe for an one company
	i. e 16.431. (20 > 16.431.)
	thank Hence it provides some returns for larger notes (bicause standard deviath wears greater note)
	for larger notes Chicaude standard deviath
	means greater n. (b)
7	Hence the Share of eye for an eye company are selfer.
	are teller
	1- Ha charps at ove for an ove company
=_ -	So the shares of eye for an eye company are better than put in.
	ar safer ivea julian.
_	
	·
1 manilan	
	u

Date: / /20
Page No.:

19B(E187-VEIDO7-28-03-2022-3

0.1	Zelensky 1.td has two proporsal				
15	Project A Project B				
	7-9-3-1-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3				
	Period cost Profit NF cost Profit Net cost offer offer flow				
	tax				
7 D	0 \$9000				
1	1 \$1,000 \$5,000 \$1000 \$5000				
	2 1000 4000 1000 5000				
	3 1000 3000 4000 8000				
11-61	1. 3 - 1 3 - 2 - 1 2 - 1 2 - 1 2 - 1				
ACT 01	@ compute its payback period				
	for project A de la				
	Extractional management				
	After of peroid of dur total cost recieve				
	After at peroid of dyr total cost recieve 1000 + 4000 = 9000				
1 4 1	hence the payback period = 2 yrs				
`					
	for project B				
* 7. s C	cf recieved by end of 2 yrs = 10000				
1 19	CF recieved in third yr = 8000				
	CF MONAGE (1917)				
	Payback period = 2 yrs + (F remaining				
.).	CF recieved in 3 dy				
1111	7012 2 2 2000				
in the state of	8000				
	- 2.25 yrz.				

Date: / /20
Page No.:

19BCE187-UEIMOO7-28-03-22-4

	198	CE187-UEIM	1007-28-03-22-	4	
	(T	16	la l		
	(b) D	scountea	payback perio	9	
	Ce	widoned.	discount val	of 10 perco	ut
	Proj	ect A			
) J1		1	
	YN	Net Cosh	P.V factor	P.Vol	CF Commulative
	,	Plow	10 1.	7 , 2	<u>C+</u>
		*	L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	
,	0	9000	DODA .	Avor	
	(5000	0.909	33049454	
	2	4000	0.826	3304	78 49
	3 1	3000	1.0.751	2253	1 60 127
		Ct recieve,	elby end of ?	yn = +84°	1
		CF ve	mainy = 115	Pain Rich	
	14	CF rec	cieved in year	九3-2253	
	<u></u>	0.1	<u> </u>	<u> </u>	
		147 (our	ted purbuck p	zeroud = 2 xx	ths!
				52+	1121
1	7		TO .		22r3
			- WI/18M 200 "	- 12	7
	D. a	P		- 12.	51/85
	Project		fu factor @104.	PV of (F)	1
	YB	NCF	10 Pachor (2) 107.	PV of CF	Commulative CF
<u>k. ki . 15 j.</u> 2	0	12000			
	1	(000	0.909	4545	4545
	2	5000	0.826	4130	967r
)	3	8008	0.71	600%	14683
$\overline{}$					1,027

.)	Date: / /20 Page No.:
	(BCE18) - VEITION, -28:03: 22-3
	(Frecieved out by end of year 2 = \$675
	CF remaining = 3325 = (90 12000-8675)
	CF recieved in year 3 = 6008
	Discounted payback period = 2 + 3325 6008
	- 2.5534
	© Profatability Index
	for Project A:- P
	Profability Index (P.I) - P.V. of Futyre (F
	Inxestment
	= 10102
	9000
	= 1.1224
	or Project B:-
	P. I = P.V. of Future CF
	myestman
	= 14683
-	12000
	= 1.2234
100	-> Woicet with more profitability Index would be
	-> Project with more profitability Index mould be recommended first.
	here II of project A is less than overcot R
\longrightarrow	10 We give rank 1 to project B and give rank 2 to project A.
	Scanned with CamScanner
	Scanned with Camscanner

1	Dute: / /ZU
	19BCE187-UEIMOOT-28-03-22-6 Page No.:
0.3	Afternative: 1:
	Annual powerion (Annuity), A= 72,00,000
	tor ago C1 to 80 n=20 years
	Annual persion (Annuity), A= 72,00,000 for age 61 to 80, n=20 years Interest Rate, & = 101 = 0.2
	priore Recording
	: Present value of Annuity = A [1- (1+m)
Te	
· · · · · · · · · · · · · · · · · · ·	X
	$= 2,00,000 \times \left[1 - \frac{1}{(1+0.1)^{20}} \right]$
	6-2
	The state of the s
	$= 2,00,000 \times 8.5136$
4	= £ 17,02,720
	PF 010 18 065 = V9.
-	Rakesn helds to pay 2 20,00,000 today
	to recieve the above pension
-	The state of the s
	Total income today = \$17,02,720
	- £ 20,00,000
	= 297,280
	He will lost 7 2,97,280 in present Volue by choosing Asternative -1
	Volue by choosing Afternative -1
2	a supposed to the second of th
\$1	
	TANK STATE OF THE
1	O'L & Low tent of the contract
1	
	- Julius to with the state of t

Scanned with CamScanner

AI	terna	rive.	٠ 2

$$PV = F.V \qquad (-Assumming on mod (1+r)^n Compounding)$$

$$= 1,40,00,000$$

$$(1+0.1)^{20}$$

$$=$$
 1,40,00,000 $(1.1)^{30}$

To choose Alternative 2 natests needs to pay \$20,00,000 today

Jo, he will get 2 81,010.79 in present value by choosing of ternative. -2.

Do alternative -2 is more attractive for
Rakesh for life expectancy of 20 years
and 101 intrest vale.

huy alternative -2 is seffer than Alkanative 1.