## Mid Term Enam Az

06.12.2020

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logolli n Question-01

In that case, I think I will select "Participating in Doint venture"
acquipition method.

In that case, I think I will relect "Licensing of technology", softat I can use this technology with small inverstment and guickly also. I thent ungency of acquirition factors to decide the acquirition helps me Licensing of technology method. And than otherso four in Cheapest technology. So, & will acquipion belect it.

## Quertion-02

of think it is a black marsketing. Because the tickets is illegal and the way of solling tickets is also illegal. So, we can bay that the selling Process of tietects is under Black manteting. All tickets were rold before, so the tickets were illegal and the man have no right to sold after rolding all tickets. ticketo is phowing black marketing

rojojukan

	149 111		The same of the same of		
	X IX	112 = 10.8	guestion - 03	DAD	
	Discount	Discount	Discount (%)	Discount price (P)	100
	1	0 to 3000	No discount	008120	
	2	3001 to 4000	10%	10.8	
	3	4001 to over	ls %	9.84658	
	61			3753.75	1 *0
,	Harra 18 2 9.84 1 18				350
Hore, D 2 5950 bags per week L to 10 days = 30 week					30 week
D 2 5950 bags per week . [210 dayso = 30 week] = 178500 bags per week . [210 dayso = 30 week]					
		\$ 81		9698.	
H = 19 % ton sitil 08.50 19 H, = 12x 100					
	. 91 2	1 2DS H1	muminim	1 = 2.28	+0.
	(4x	2×178500X 2·28		Y-C-Y-	
	3841X=(	3561.31	Litis not t	learible	19
	· 91 =	3000		9 (200) P	T.0

$$g_{2}^{*} = \sqrt{\frac{2DS}{H_{2}}}$$

$$= \sqrt{\frac{2 \times 178500 \times 81}{2.052}}$$

$$= 3753.95$$

$$g_{3}^{*} = \sqrt{\frac{2DS}{H_{3}}}$$

$$= \sqrt{\frac{2DS}{H_{3}}}$$

$$= \sqrt{\frac{2N78500 \times 81}{1.8696}}$$

$$= 3932.80 \quad \text{[it is not leasible]}$$

$$\therefore g_{3}^{*} = \sqrt{\frac{D}{g_{1}^{*}}} \times \left(\frac{178500}{2} \times 81\right) + \left(\frac{3000}{2} \times 2.28\right) + \left(12 \times 178500\right)$$

$$= \sqrt{\frac{178500}{3000}} \times 81 + \left(\frac{3000}{2} \times 2.28\right) + \left(12 \times 178500\right)$$

$$T_{e_{2}} = \frac{D}{\sqrt{8^{2}}} \times 81 + \frac{3^{2}}{2} \times 412 + \frac{M_{2} \times D}{2}$$

$$= \frac{178500}{375395} \times 81 + \frac{375395}{2} \times 2.052 + \frac{10.8 \times 178500}{2}$$

$$= 19.35 \times 503.096$$

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$$= \frac{D}{33} \times 81 + \frac{93^{2}}{2} \times 413 + \frac{M_{3} \times D}{2}$$

$$= \frac{178500}{4001} \times 91 + \frac{4001}{2} \times 1.8696 + \frac{9.84 \times D}{178500}$$

$$= 1763 \times 93.856$$

So, optimal orders guantity = 400.1. and total cont auspociated with 1763793.856. An it in minimum among three total contr, sowe can pay that Tez is optimal orden grantity. 2 - M + ( 11 x 162) + ( 2x 2)

Question-04

EFF? = 
$$(1 + \frac{1}{NOM})^{M} - 1$$
 $= (1 + \frac{1}{NOM})^{M} - 1$ 
 $= (1 + \frac{1}{NOM})^{M} - 1$ 

-8451 n5+4999 n4+1946 n3+1964 n9 +21644+4619=0

Total and errors method

n=1.1

R.H-S = 5674.58

n=1.2

R. H-S = 2743.78

7=1.3

R.H-S- +2073.61

n=1.29

R.H.S=-1489.87

721.28

R. H. S = -930.53

n= 1.27

R. H.S = -394.93

n= 1.26

R. H.S = 117. 61

Difterence between 1.22 and 1.260

10.01 -512.54 PT.0

: 512.54 00 00 00 Mes 0.01 512.54 117.61 4 4 4 4 512.54 -0.00229465 NA(i+1) " N21.26+0.00229465 1.26229465 ≥ 1+i=1.26229465 = 0.26229 = 26.237. 24.55 % R. H. S = -377.25

Project M;

$$NPV = P_0 + P_1 + P_2 + P_9 + P_4 + P_5$$
 $\Rightarrow 0 = -9006 + \frac{F_1}{(1+i)^{N_1}} + \frac{F_2}{(1+i)^{N_2}} + \frac{F_3}{(1+i)^{N_3}}$ 
 $+ \frac{F_4}{(1+i)^{N_4}} + \frac{F_5}{(1+i)^{N_5}}$ 
 $\Rightarrow 0 = -9006 + \frac{5783}{N^{\frac{1}{4}}} + \frac{3628}{N^{\frac{1}{4}}} + \frac{3314}{N^{\frac{1}{4}}}$ 
 $+ \frac{1500}{N^{\frac{1}{4}}} + \frac{1290}{N^{\frac{1}{5}}}$ 
 $+ \frac{1500}{N^{\frac{1}{4}}} + \frac{3628}{N^{\frac{1}{4}}} + \frac{3914}{N^{\frac{1}{4}}}$ 
 $+ \frac{1500}{N^{\frac{1}{4}}} + \frac{3628}{N^{\frac{1}{4}}} + \frac{3914}{N^{\frac{1}{5}}}$ 
 $+ \frac{1500}{N^{\frac{1}{4}}} + \frac{1290}{N^{\frac{1}{5}}} = 0 - \frac{11}{N^{\frac{1}{5}}}$ 
 $+ \frac{1}{1500} + \frac{1}{1290} = 0 - \frac{11}{N^{\frac{1}{5}}}$ 
 $+ \frac{1}{1500} + \frac{1}{1290} = 0 - \frac{11}{N^{\frac{1}{5}}}$ 
 $+ \frac{1}{1500} + \frac{1}{1290} = 0 - \frac{1}{10}$ 
 $+ \frac{1}{1500} + \frac{1}{1200} = 0 - \frac{1}{10}$ 

n=1.210800 R.H.S=862.58 RIH-5=444.46 n=1.22 1.230080 R.H.S = 3.69 n= 1.23 R. H. S = -460.44 n=1.24 between 1.23 and : Difterence 1.24 6; tod +0004 1000 900 456:7509 HOS 456.75 03 3/0 h 03 melso 0.01 on the other hand projected 0.01×3.69 156.75 = 0.000080788 actocited by that east.

: n=1.23+0.0000807881

= 1.230080

かいいことれいいと

31+i= 1.230080

\$ i = 0.230080

= 23 % < 24.55%

Both Projects are indefendent but

Project N will be relected because
the IRR rate is greater than given
Pempentage. on the other hand Project
M is less than given Pempentage
of EFF. So, Project N will be
pelected in that case.

N= 1:49

(b) NPV of N;  

$$P_0 + P_1 + P_2 + P_3 + P_4 + P_5$$
  
 $\Rightarrow -8451 + \frac{4999}{(1+0.2455)^1} + \frac{1946}{(1+0.2455)^2}$   
 $+ \frac{1964}{(1+0.2455)^3} + \frac{2164}{(1+0.2455)^7}$   
 $+ \frac{4619}{(1+0.2455)^5}$   
 $= 273.96 > 0$ .

NPV of M;

$$P_0 + P_1 + P_2 + P_3 + P_4 + P_5$$
 $= -0006 + \frac{5789}{(1+0.2455)^2} + \frac{3(28)}{(1+0.2455)^3} + \frac{1500}{(1+0.2455)^4} + \frac{1900}{(1+0.2455)^5}$ 
 $= -242.20 < 0$ 

Both Projects are indepent but

Both Projects and the project of NPV of Nis greaters than of that bot NPV of M is heiser than o. Inthat case we have to select Project one we have to select Project Ni So, my decipion is same if Ni So, my decipion is same if we use NPV method.