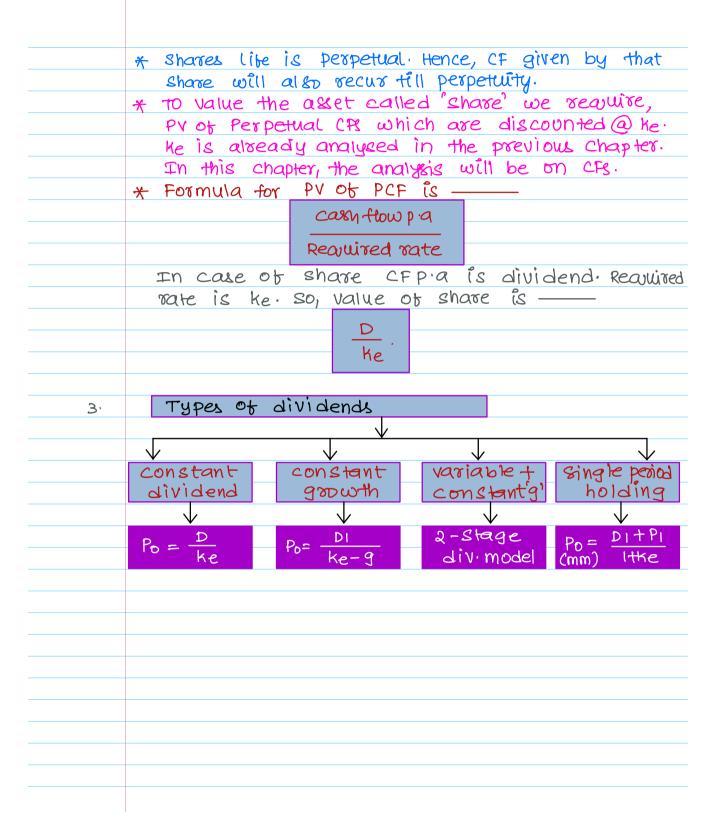
DIVIDEND DECISIONS

	learning obj	ectives			
	1. understandin	g dividends and its or	ole in share		
	valuation.				
	a understandin	g perpetual cash flow).		
	3. Types of c				
	4. Dividend rel	evance models			
	· Walter mod	tel			
	· Gordon model				
	· Graham &	poda models.			
	· 2-Stage d	ividend model.			
	s. Dividend ir	relavance model - mo	digliani k		
		mi	ller model.		
	6. Dividend P	ay out model - Linter	's model.		
	7. miscellaneou	us issues.			
(+	understanding				
	* value of any	1 asset is PV of FCF a	discounted@		
	RR.				
	* Type of ass	ets, their cash flows & ?	respective disc		
	rates are as	Under			
		<u> </u>	<u> </u>		
	Debt	preference	Eauity		
cash-flow		Preference dividend	<u>Dividend</u>		
disc rate		<u> </u>	ke		
Life		Pre-determined .	Per petual.		
	* In case of	Share, the carhflow is	"dividend"		
		idend will necessatily	impact the		
	Share prices.				
	0 m 0 a n h	composition Com on the			
ک ،		perpetual Cash flows.	THE AMELONAL.		
		are those CFs which rec	-ui constatting		
	till perpetuity				



٦٠.	
	* pividend relevance models proposes that the div
	payment and non-payment will affect the show
	prices.
	* There are a models which are as follows ——
	· walter's model
	· Gordon's model
	* walter model is based on constant dividend and
	without growth, where as Gordon model is based on
	constant growth.
	walter's model
	I. Basics:-
	* As per walter's model, dividend payment/
	non payment will affect the price of a share.
	* As per the model, dividend decision will impact
	the wealth of the SH.
	II. Formula:- * Po = Current mps.
	*D = DPS
	$Po = \frac{D + \mathcal{I}(E - D)}{ke}$ $\frac{4 F = ROI\%}{ke = Cost \text{ of easily.}}$ $\frac{4 K = Cost \text{ of easily.}}{ke}$ $\frac{4 K = Cost \text{ of easily.}}{ke}$
	Po = ke. * F-D= Retention/Sware.
	ke sometimes to the state of th
	since formula has "D" in it, dividend will impact
	the price of the share
	III. Interpretation of formula
	The formula has a parts namely —
	<u> </u>
	(1:)
	D 8 (= 5)
	Ke Ke CE-D)
	- Ke
	* Part (1) of the formula is analysing the PV of
	perpetual dividends.

			_					
*	Part (2) c							5
	perpetual	return	on or	e-inva	estmer	it com	ing tor	
	perpetua	1 yeax	۷.					
ĬΫ.	Derivation	n ot i	PartCi) (2)	0+ fe	rmula.		
	Ţ				_			
	of perpetua	al CFS		PV 0	+ perf	etual v	etention	
>	<u> </u>					↓		
	RR			72 -1	yr	- 2	yr-3	
	RR ↓		E	10	l	.0	ID	
PV	of perpetual	dividence	k-D	(4)	((4)	(4)	
	<u> </u>		R	6		6	6	
=	D		(E-D)					
	ke				Numer	ical ar	<i>alysis</i>	
			<u>ę</u>	18-1		7	r - 2	
			E =	10		1 0 1 1	to	
			- D =	(4)				
			R≥	6		R =	6 CE	-D)
				₹ ye	≥−ุุ่ท∨		7	
		perp	etual (o rate		re-ir	ĺν
		1 1	etual f yeax		Ψ		for pe	rP
				6	X X		yean	
					ke		4	
		perp	etual	K			'r' rate	
		ret	uM	1	perpetu	lal/	bxr	
				·	yeax		ke	
<u>V</u> .	Divi dend	Policy	U ક્લે n લ્	y wa	alter	mode		
5	situation	Polic	- 4		R	emarw	>	
	r>ke x	100% 1	etentio	m si	nce, u	vea Hh	maximi	Sel
	*	0% pc	ayout	in	the	hands	of comp	pany
	v= ke	India	f-ferent	-		_		
	rcke *	0% re	tention	y Sin	nce, u	realth	maximi	S <i>e</i> S
		100% pa					of SH.	
		ı	7					

VI. Assumptions of walter model
* Company has constant earning
* company has constant dividend.
* only source of investment is retained earnings.
* no early issue Cnew).
* No Taxes
* Markets are perfect.
VII. Advantages of walter model
* Easy to understand & compute.
* Different prices at different situations. By Changing
some factors in formula we derive different prices.
VIII. Disadvantages of walter model
* Doesn't consider all factors affecting share prices.
* No taxes.
IX. Dividend policy analysis using formula
a. It v>he
co-efficient of E-D is more than co-efficient
of D. 1 8>ke, 8 > 1
of D. $x = \frac{x}{ke} = \frac{x}{ke}$ Ne
Ke
$D \rightarrow I \times D$
₩
co-eff
since co-efficiency of retention being t-D
is more than co-efficiency of dividend CD), it
is recommended to go by higher co-efficiency
is recommended to go by higher co-efficiency being "100% retention". b. It reke
b. It VXKe
co-efficient of $D(1) > Co-efficient$ of $E-D(<1)$
C. If r=ke
$D + \frac{\pi}{2} (E - D)$ $D + \frac{\pi}{2} (E - D)$
$P = Ke \stackrel{?}{=} P = D + ((E-D))$
$P = \frac{\nabla + \nabla = \kappa e}{\kappa e} = \frac{\nabla + \nabla = \kappa e}{\kappa$

	60	rdon's model	
I. Basics			
1. As per	fordon's	model, divider	nd will have impact
on share	prices.		
2. Model	analysed	I that 920wth wi	ill be the major
influenci	ng factor	in share pricing.	
II. Formula	7		
Gordon C	on Sideri	ng 2 types of	for mulae
		\downarrow	
			<u> </u>
DI	* D1 =	Expecteddividen	d
Po= DI	→ D₁ =	Do (149)	$P_0 = \frac{E(1-b)}{k_e - b\gamma}$
rie-g	* 10 =	Current Share pri	ce he - b i
		900 with rate.	
	* b =	retention propor	tion
		Return on eauity	
	* I-b=	= payout proportion	m
	* E =	Earnings per sho	me
	* ECI-	b) = Dividend per s	shave
	* PXX	= 9	
III. Deviv	ati on		
value ob	shave		dividends discoke
rear	CF	PV@Ke	PVCF
l	DI		Di
		(Itke)	(Itke)
2_	D 2_		D ₂
		(1+ke)2	(Ithe)2
3	PS	1	Dэ
		(I tke)3	(Itke)3
:	•	-	
:	•		Dn
n	р'n	(Itke)n_	(Itke)n
			Po

```
This series forms a geometric progression which
can be simplified as under-
  y= a
                y= Term to be limited = Po
                a= 1st term in series
                r= Longest term
                   shortest term
      <u>Dr</u>
Itke
                      DZ
                 r= (1tke)<sup>2</sup>
DI
Ithe
                r= p(C1+9) x 1+ke
(1+ke)C1+ke) x D1
                     149
                      1+9
1- 1+9
              1-Y=
                     1tke-1-9
                       ke-9
                        1the
         Po= a
                         DI
                        Ke-9
                         1the
                         \downarrow
```

IV. understanding growth	
* Growth is a product of b	×γ·
* This means, the company will	I not keep the reserves
idle, rather it invests at a "7%" return.	place which gives
"7%" retum.	
* This growth is assumed as	
per petrutup	
* Growth Thereases the process	
<u>V</u> . concept detailed by mode	1
*This model clarifies that cor	
such payout/retention ratio u	ohich gives highest
price.	
* model analyted both advanta	
of dividend & retention which a	re as follows —
<u> </u>	
Dividend	Retention
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<u> </u>
	v: * Propels growth.
* Increased confidence.	* Kr < ke
	dy: * No VISIBLE CORN
* New issue as 170 is costly if all	flow.
dividends are paid.	* 10% of confidence
•	Bird in a hand is
he	Her than a in a bush.
VI. Assumptions of the model	THEO THEY A THIS ON BIT
* Earnings are growing at a	constant rate.
* Company follow Stable Pay	
* Markets are perfect.	
* ke 49.	
* only source of financing is	retained earnings.
* No taxes.	<u> </u>
* company has ready investm	nents.
. , , , , , , , , , , , , , , , , , , ,	1 51.1

	unlike wa calculate	lter model, price of a set he and f	have at diffe	model lel proposes to crent levels of yout which give
		ጥ በነበደ	trations	
	In the giv			means, as per
		el, company	•	
		100% retenti		
	∴ Eps= ₹	- 0% payou!	, E-D= ₹10	
	P =	NO + THE CE-D?)	
	= ($0 + \frac{0.12}{0.10} (10 -$	– O)	
		010		
	= \$	120.		
		different p		
	25% POK	50% POK	75% PO	100% PO4
	75% Retn	50% Retn	as% Retn	0% Retn.
	0.13 (2°6)	<u> </u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0% Retn. 10 0% or10
	2.2+ 0.10 (13)	STOR (S)	7.57 0.10 (2.5	10
	010	0.10	0,10	<u> </u>
	= \$115	= \$110	- 310C	= 700
		7 110	2 4 100	- 2100
3.	Step1: ca	Iculation of	EAESH.	
	Net pro-	tit =	₹30,00,00	00
	(-) Pref. div	=	(\$ 12,00,00	00)
	(多1,00,00,0	00 x 12%)	-	
	EAESH		₹ 18,00,00	
	EPS	=	₹6	(₹18L/3L)

```
stepa: calculation of payout.
                                      P = D+ re(E-D)
                    ⇒ ₹42= D+ 0.80 (₹6-D)
                                                                                                0.16
                     ⇒ ₹6.72 = D+1.25 (₹6-D)
                       今 まらせる - D+ きょっこ - 1·82D
                      → ₹6.72= -0.25D+7.5
                        タナ・0 くとって マイ・コント・ロント・ロント・ロント・コーマー
                        → O·QSD= そO·78
                         ⇒ D= 至3·12
                                 Payout ratio = DPS = \frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\finter{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac
                           Step 1: calculation of EAESH.
4.
                                net profit
                                                                                                                                                    ₹30,00,000
                    (-) Pref. div
                                                                                                                                                   (712,00,000)
                           (₹1,00,00,000 x12%)
                                                                                                                                                    ₹ 18,00,000
                                   EAESH
                                                                                                                                                                                                                   ($18L/3L)
                                                                                                                                                     ₹6
                                  EPS
                            Stepa: calc of Po
                         case 1: When P.O = 25%
                                  P_0 = E(1-b)
                                                                 ke - (bxr)
                                                             (27.0 - 1)35
                                                           0.1P-(0.4ZX0.50)
                                                              ₹I·S0
                                                                                                                           ₹1.Z0
                                                           21.0-41.0
                                                                                                                               0.01
                                                                                                                         3150
```

	case-2: When PO is SD%
	$P_0 = \frac{E(1-b)}{a}$
	Ke-Cbxr)
	= \(\frac{2}{6}(1-0.\frac{70}{0}\)
	0·(9-(0·20×0·30)
	$= \frac{3}{23} = \frac{3}{200} = \frac{3}{200} = \frac{3}{200}$
	case-3: When PO is 100%
	$P_0 = \underbrace{E(1-b)}_{}$
	he-Chxr)
	= \$6(1-0)
	0.19-(0 X0.50)
	= <u>76</u> = 37.50.
	0,16
Z ·	Since the company is a no growth company, g=0.
	Therefore, same dividend will be paid till perpetuity.
	P= D
	P = D Ke
	010 = <u>\$2</u> = \$0
	-
6.	calculation of Po
	$P_0 = P_1 = D_0(1+9)$
	$P_0 = P_1 = D_0 (1+9)$ $ke-9 \qquad ke-9$
	= \(\frac{7}{4}(1.02)
	= \frac{7}{2(1.02)}
	= इठ.०५
	0.13
	= \$15·69.

7.	calc of price	of share at	vanious	growth levels
	As per Gordo	n model,		
		$D_0 = DI$		
		ke-g		
	case-1	case-	<u>) </u>	case-3
	Cg= 5%)	Cg= 8%)	(9=3%)
	Po = \(\frac{2}{2}\alpha(1.05)	Po= ₹ 2C1.0	(80	Po= ₹ 2(1.03)
	20.0-21.0		.08	0.15-0.03
	= 72.10	= ₹2·16		= 3 2.06
	010	0.07		0,12
	= 721	= ₹30.8	6	= \$17.17.
		V	A h	
12.	Stepi: calcula	non of Eps	and DP	<u>2</u>
	a) Eps			
	000,00,2 ₹ =			
	1100,000			
	= \$5			
	bg DPS			
	= Eps x Por			
	= 75×60%			
	= \frac{1}{2}3			
	Stepa: calculati	on of price a	it given	payout vatio
	D .	+ ~ (=-1)		
	P = -	$\frac{+ \frac{x}{ne}(E-D)}{ke}$ $\frac{+ \frac{0.15}{0.12}(25-1)}{(25-1)}$		
		re	5-2	
	= 7:	0,12 (\$5-	- ₹3)	
		0·12		
	= ? ?	3+₹2.50		
		0.15		
	= 3	45-83.		
	Step 3: Optimur		Ptimum	price
	since v > ke,			
	* 0% pa		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	× 100% ve	Etention		
		V 47 4 5 1		

	D- D+ re(E-D)
	$P = \frac{D + ke^{-CD-D}}{ke}$
	$P = 0 + \frac{0.15}{0.12} \times 5$
	<u> </u>
	© · 12
	P = 6.25 0.12
	P= ₹52.08
13 ·	calculation of price pershave for various tirms
	Particular Growth firm Normal-firm Declining firm
	Po= E(1-b) ₹400 ₹100 ₹76.92
	ke-(bxv)
	= 10(1-0.60) = 10(1-0.60) = 10(1-0.60)
	$ \frac{(06.0000) - 01.0}{(80.0000) - 01.0} = \frac{(06.0 - 1)01}{(90.0000) - 01.0} = \frac{(06.0 - 1)01}{(90.000) - 01.0} = \frac{(06.0 - 1)01}{(90.$
	= 4 = 4
	0.10-0.09
	= 4 = 4
	0.01 0.04 0.052
14.	1-calculation of value of share using walter model
	$P = \frac{D + \frac{x}{\kappa}(E - D)}{\kappa}$
	Ke
	$= (760 \times 30\%) + \frac{0.15}{0.15} (60 - 18)$
	- (₹60×30%) 1 0.15 C00 .89
	21.0
	= 718+770
	21'0
	<u> </u>
	012
	= \$586.67.
	2. Decision as per Gordon model
	As per Gordon model, more the retention, more the

	growth more the growth, higher the share price. So, to achieve optimum share price as per nordon model in the case of 8>ke, company shall follow 0% payout.
	Graham & Dodd model * This traditional pricing model assumed that the SH will give 3-times more weight to the dividends than retained earnings. * Formula under this model is P= Price of 8h m= PE multiple. P= \[D + \frac{E}{3} \] xm E= Earnings
8.	calc of share price under Graham & Dodd model $P = \left[D + \frac{E}{3} \right] \times m$ $= \left[(730 \times 60\%) + 730 \right] \times 2$ $= (718 + 710) \times 2$ $= 756$
9.	calc of EPS using GLD model $P = \left(D + \frac{E}{3}\right) \times m$ $58.33 = \left[5 + \frac{E}{3}\right] \times 7$ $8.33 = 5 + \frac{E}{3}$ $3.33 = \frac{E}{3}$
	EPS= 9.99 2 710

	Linte's model for dividend payment
	* This model analysed that every company should
	pay atleast the dividend already paid in the
	last year added with some extra payment taking
	adjustment factor into consideration.
	* Lintex formula
	$D_1 = D_0 + [EPS \times PR] - D_0] \times AF$
	DI = Div to be paid, Do = Div already paid Eps = Earnings per share, PR = Payout ratio, AF = Adjustment factor/Speed of adjustment/Dividend
	Eps= Earnings per snare, PR= Payout ratio,
	AF= Adjustment tachon/speed of adjustment/Dividend
	Velocity.
1.5	and all living and to the angle to have loss timbered model
10.	calc of dividend to be paid under Linter's model
	$D_1 = D_0 + [(EPCXPOR) - D_0] \times AF$
	$= \frac{39.80 + (200.60\%) - 9.80}{1.80} \times 45\%$
	= ₹9.80 + (2.20 x 4 5 %)
	= ₹9.80+0.99 = ₹10.79
	= < 10*41

(PP1)	calculation of PIE using G&D model
	As per traditional approach, $P = D + E \times M$
	P= not given, D= 0-4E, E= not given, m=9
	$P = \left[0.4E + \frac{E}{3}\right] \times 9$
	$\begin{bmatrix} 0.4e & \frac{1}{3} \end{bmatrix} $
	$P = \frac{1 \cdot 2E + E}{3} \times 9 \Rightarrow 2 \cdot 2E \times 3 = 6 \cdot bE$
	P= 6.6E, P/E= 6.6 times.
(PP4)	1. Price as per walter model.
	· · ·
	$P = \frac{D + \frac{\chi}{Ke}(E - D)}{Ke}$
	Ke
	$= \frac{6 + \frac{0.25}{0.20}(10 - 6)}{0.20}$
	<u> </u>
	<u>ల · ఫి</u> ర
	= 6+5 = 755
	<u>୍</u>
	a. Price as per Gordon's model
	$P_0 = \underline{E(1-b)} = \underline{\frac{50(1-0.40)}{100}}$
	ke-(bxr) 0·20-(0·40x0·25)
	$P_0 = \underbrace{E(1-b)}_{\text{Ke-(bxv)}} = \underbrace{\frac{7}{10}(1-0.40)}_{0.30-(0.40\times0.25)}$ $= \underbrace{\frac{7}{5}6}_{0.30-0.10} = \underbrace{\frac{7}{5}60.}_{0.10}$
	0°20-0·10 0·10
(0.5.0	
(PP5)	1. Calculation of EPS
	Particular Amount (2)
	Net paofit 20,00,000
	(→ Pref·div (15/00,000) (₹1000 x15%)
	EA ESH 35,00,000
	NOS 5,00,000
	EPS マオ・

	a. calc of Po unde	r 3 conditions	
	I	IL	皿
	POR@25%	POR@SD9%	POR@100%
	Po= EC(-b)	Po = E(1-b)	Po= E(1-b)
	ke-br	ke-br	ke-br
	= 37(1-0.75)	(02·0-1) FF =	= 77C(-0)
	POR@ 25% Po= EC(1-b) ke-br = \frac{7}{(1-0.75)} o.1b-(0.75X0.20)	0.1P-(0.70×0.50)	0.16-0
	= 31-75	$=$ $\frac{2}{3}$, $\frac{3}{50}$	<u>-</u> ₹ f
	0.01	0.06	७ । ७
	= 天142·	= ₹58.33	- 27·€ <i>P</i> = =
(PP2)	1. comments on p		
	a. calc of RoeCr		
	since, ris not given, it is calculated at BV.		
	BY/EQUITY = 20,000 8N X 7100 = 720,00,000		
	Eagnings CReturn) = \arganio 0,000		
	ROE = Return xion = \\ \frac{\frac{7}{2}\cdot \cdot \c		
	ROE = Return x100 = \(\frac{2}{2}\langle 000000000000000000000000000000000000		
	company paid of therefore, dividend	5% of earnings	as dividends and
	therefore, dividend	policy & price are	not optimal.
		-	•

			indifferent point		
	As per walter model, when $v = ke$, the dividends				
	amot affect the price.				
	30 K	== 8 => Ke=	10%, PE = 1	ke = 1/0:10 =	lotimes.
	3. Con	ments on sev	ised ke		
	*Under revised scenario, PE = 8times. That means,				
	ke = 1/8 = 12.5%.				
	* In such a case, Take and company shall follow				
	optimum dividend policy of 100% Poko% retention.				
	But	in the given	case, compar	ly has paid t	mly 75%
	of its earnings as dividends and hence, it is not				. not
	tollog	ung optimu	m dividend po	olicy.	
				•	
		2-stage d	ividend valua		
(PP6)	year	CF(F)	P V @ 20%	PVCF	
·	_ t	138.00	0.833	114.95	
	2	158.70	0.694		
9=1	\$% 3	158·70 182·51 209·88 1:469·16	0.579 0.482	105.67	
	L4_	୬ ୦9∙୫୫	०.५८२	101.19	
9= :	5% <u> </u>	1,469.16		708.14	
			Vs	==71140.05	
	· ~	DS			
	Ke-9				
	= <u>P4(1+9)</u>				
	= <u>209.88(1.08)</u>				
	o.ᢐo − o.o <u><</u>				
	= 220.37				
		<u>∞.12</u>			
	= 2	₹1,469.16			
	Notes:				
	1. 2-Stage dividend model focuses on investor's				270
	time-horizon.				

	a. Every person investing in the stocks traded in
	the market shall have a time horizon. In the
	given a uestion, it is 4 years.
	3. That means, in the given case, the investor invests
	today, hold it for 4 years and sell the shares at the
	end of 4th year.
	4. Therefore, investor is expecting dividend for next
	4 years @ growth of 15% and sell @ perpetual
	growth of 5%p.a.
	s. since, the investor desires to sell the share at the
	end of 4th year, he need to expect a value which
	would occur after 4 years. Hence, we calculated
	Py, which considers all cash flows from Ds to Dao
	at a perpetual growth rate of 5%. That price has
	come to \$11469.16.
	6. Using all these data inputs we discounted the
	future CFs and value (S = 1/140.05.
	conclusion:
	The real worth of company's share is only
	\$1,140.05, whereas it traded in the market@
	\$ 3122. Hence, it is overpriced to the tune of
	ञ्च ।,981·95·
(PP7)	step 1: calc of he Cexisting)
	since, the dividend expected is \$20, it shall
	be considered as Dr. CAS against Do given in
	(m 21
	Po = DI
	ke-9
	$ke = D_1 + g$
	Po
	= <u>至20</u> + 0·045 =>> 8·84% ぞり460
	₹1,400

stepas call of revised he.
since, company is changing its retention propn,
it is sure that it will change its growth because
growth = retention propx ROE
= bx v
a calc of revised growth
9= b x x
= 0.60 × 0.10
= 0.06
b. calc of existing payout & retention propn
9= b x 8
0.042 = 5x0.10
b=0.75 (retention prop)
I-b = 0.25 (payout prop)
c. call of existing Eps
Payout amount expected = ₹20
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
35% → ₹20
100 % —> ? = ₹80
:. It is considered that 780 is expected Eps.
d. calc of revised ke
ke = <u>PrCRevised</u>) + g
Po
= Eps, x Rev Po +9
Po
= \frac{7}{80} \times 4006
₹ y 460 ·
= \frac{3}{2} + 0.06
₹1 ₁ 460'
= 0.0219 + 0.06
= 8.19%

	Summary of Chapter (formula of
	Particular	Formula
1.	walter model	P=
ı		D+ x (E-D)
		Ke Ke
		he he
ವ.	Gordon model	D.
	(1010011111000)	$P_0 = \frac{D_1}{ke - 9}$
		Cor
		Po= E(1-b)
		ke-br
3 ⋅	modigliani k miller model	1. Po = D1+P1
		1 tke
		2. mp = I-CE-nDi)
		3. nPo = P1 (n+m)-I+E
		1+ke
4.	Graham & Dodd model	$P = D + E \times M$
5-	Linters model	DI= DO+[(EPSXPOR)-Do]
	. 0	KAF
6.	Miscellaneous	1. EPS = BYPS X ROE
		S. DE = MDS/ EDC
		3. ke = D1/po +9.
		4. mps= Eps x PE
		s. ke = 1/PE
		6. PE= 1/Ke.
	THE END	