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## NEW YORK INSTITUE OF TECHNOLOGY SCHOOL OF MANAGEMENT

(Department of Accounting & Finance)

Corporate Finance (FINC 20	01) <b>QUIZ 04</b>	<b>March 2012</b>	Prof. Raja Nag
Name:		Maxii	mum time: 15 minutes
PROBLEM 1) Due to numerous experienced a market reevaluation required nominal rate on this debut what is the current market value	on. The firm has 15-yest has now risen to 16 of this bond?  Semiannual  N=30	ear, 8% semi-annu %. The face value	al coupon bonds. The
oupon Pate = 8% V =\$1,000 UT=\$80.00	FV=\$1,000 INT=\$40.0 I=16%	$\alpha$	8%
	PV →? -	\$258.74	× → # 549.6°
	40 1000	+ +3 =	- 1

PROBLEM 2) You just purchased a \$1,000 par value, 9-year, 7% semi-annual coupon bond. This corporate bond sells for \$920. What is the yield to maturity (YTM)?

FV = \$1,000 / N = 9coupan sate = 7% NT = 70 @ PV = \$4-920

YTM = 4.14%

 $y + m = I_{x2} = 4.14 \times 2$ = 8.28 \( \)

#### NEW YORK INSTITUE OF TECHNOLOGY SCHOOL OF MANAGEMENT



(Department of Accounting & Finance)

Corporate	Finance	(FINC 201)
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Name:

QUIZ 05

March 2012 Prof. Raja Nag

Maximum time: 15 minutes

grov		ion's common stock was \$4.00, and the expected ire a rate of return of 20 percent, what is the highest this stock?
Do=\$4.00 9=10%		$P = \frac{D_0}{r-9} \times P = \frac{D_1}{r-9}$
	$\frac{D_0}{P-9} = .2$	4.40
	$\frac{4}{P10} = .2$	- 20 4.10
	$\frac{4}{.2} = P10$	= 4.4 = # 44
3	20=P10 \$20.10=P	

2) A share of perpetual preferred stock pays an annual dividend of \$6 per share. If investors require a 12 percent rate of return, what should be the price of this preferred stock?

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(Department of Accounting & Finance)

Corporate	Finance (FINC 201	OUIZ 09	<u>April 2012</u>	Prof. Raja N	Nag
Name		<u> </u>	Maxi	mum time: 15	minutes
Given the	following informati	on, calculate the N	IPV of a propo	osed project:	
Net Work taxes and	,000; estimated life ing Capital) = \$100 depreciation = \$2,10 percent; required ra	0; estimated salva 00 per year; metho	ge value = \$1, od of deprecia	000; net incom	ne <i>before</i>
9	17%	2	3		
+184-1000	2100	2100	2100	NI EPIT Salvage acct. rec.	tax rate
EP PROD	-693	-693 -0509	-56	Dep.	
-5000	1407	1407		1	· 25 · 33
A 00000	- 562.80	- 56 2.80	3,407	3	.33
- Open	844.20	844.20	2044.	- 40 8.	AD .
DEP -5,000	693	693		1	
	1537.2	1537.2	2,737	12	2
	/	NPV			1)
		- 854.18	IXR	ject	



Prof. Raja Nag

### NEW YORK INSTITUE OF TECHNOLOGY SCHOOL OF MANAGEMENT

(Department of Accounting & Finance)

April 2012

QUIZ 10

**Corporate Finance (FINC 201)** 

Name:	Maximum time: 15 minutes
common equity. The current market price = \$2.00, and its expected dividend growth Maturity) of Manning's outstanding bonds	rget capital structure of 40 percent debt and 60 percent of the firm's stock is $P_0 = $28$ ; its last dividend was $D_0$ rate is 5 percent constant. The YTM (Yield to s is 10%, and its marginal tax rate is 40%. Manning can rnings. Find the weighted average cost of capital
W=0.4	
we-0,6	
P= 28 050	
Do= 2.00 vg= 50/0	
Y1M = 10 010 = 5	
0	

## NEW YORK INSTITUE OF TECHNOLOGY SCHOOL OF MANAGEMENT

(Department of Accounting & Finance)



Corporate Finance (FINC 201) QUIZ 10 April 2012 Prof. Raja Nag

Name:	Maximum time: 15 minutes
Manning Corporation has established a target capital structure common equity. The current market price of the firm's store \$2.00, and its expected dividend growth rate is 5 percent Maturity) of Manning's outstanding bonds is 10%, and its finance its equity portion with retained earnings. Find the (WACC) of Manning Corporation.	ck is $P_0$ = \$28; its last dividend was $D_0$ t constant. The YTM (Yield to marginal tax rate is 40%. Manning can
10 Twace= Nd rd (1-T)+	Wes res
Y= Pi Po +9	Take
Do = 2(1+5%)	
$r = \frac{2.1}{28} + 5\%$	
= 0.125 ros	12390 tax rate =24090 Wd =3096.
= 12,59. Twace= 30% ×109. (1-40%) +	70% x125%
= 1.8 %, +8.75 %	
= 0.1055	