Quiz A for 1:00 Class: 3/6/13

Name Key

Assume the corporate tax rate equals 40%, that the personal tax rate on equity income equals 20%, and that the personal tax rate on interest income equals 35%. Assume also that TaxFlow Inc. has a 10% chance of earning \$1 million per year, a 30% chance of earning \$5 million per year, a 25% chance of earning \$15 million per year, and a 35% chance of earning \$20 million per year. What is TaxFlow's optimal level of interest payments?

Note: You will need to perform calculations to justify your answer. Show your work in case you need partial credit.

Wall Street Journal Questions are on the back of this page.

 $\frac{5-15}{1} = 1 - \frac{(1-(.6)(.4))(1-.2)}{(1-.35)}$

 $\frac{15-20^{+14}}{(1-1.35)(.4))(1-2}$

= 1 optimal = 2000 15+4

Note:

1-5: px = +.2123

20+ : pt = -, 2308