1 2	Volume 2: Cost of Capital: Expert Opinion of James Coyne- Capital Structure and Risk Profile	
3	_	
4	Q.	For the DCF equation on page 35 please explain how the constant growth formula
5		(equation 2) is derived from the general formula (equation 1). That is, what
6 7		assumptions are required to go from the general to the specific, or does C& I judge all the assumptions on page 35 to be pagesony? Is it C & T's judgment that the
8		an the assumptions on page 35 to be necessary: Is it C&T's judgment that the aquation 2 on page 35 is appropriate for all firms or just a subset of firms that
9		satisfy the mathematical assumptions for the DCF formula? Please provide any
10		references to graduate finance textbooks that justify C&T's answer.
11		Tererences to graduate marice textbooks that justify etc r 5 answer?
12	A.	The assumptions of the Constant Growth DCF model are stated on page 35 of
13		Concentric's <i>Cost of Capital</i> report, Volume 2. They are: (1) a constant average growth
14		rate for earnings and dividends; (2) a stable dividend payout ratio; (3) a constant price-to-
15		earnings multiple; and (4) a discount rate greater than the expected growth rate.
16		
17		The DCF formula on page 35 is appropriate for firms that pay dividends and that do
18		business in stable, mature industries. This is consistent with the corporate finance
19		textbook authored by Dr. Laurence Booth and Dr. Sean Cleary, which states:
20		
21		What has to be remembered is that Projessor Gordon developed this
22		model (the DDM) for use in public utility regulation where the
23 24		of rapid growth rates ¹
25		of rupta growin rules.
26		And
27		
28		Although the DDM provides a great deal of insight into factors that
29		affect the valuation of common shares, it is based on several
30		assumptions that are not met by a large number of firms, especially
31		in Canada. In particular, it is best suited for companies that (1) pay
32		dividends based on a stable dividend payout history that they want
33		to maintain in the future; and (2) are growing at steady and
34		sustainable rates. As such, the DDM works reasonably well for
35		large corporations in mature industries with stable profits and an
36		established dividend policy. In Canada, the banks and utility
3/ 28		companies fit this profile, while in the United States, there are numerous NVSE listed companies of this nature ²
30		numerous 1115E-usieu compunies of inis nuitire.
40		The formula on page 35 is also appropriate to estimate the investor-required return for a
41		broad market index such as the TSX or the S&P 500, as determined by the FERC which
42		explained its rationale at length for using a constant growth DCF analysis to calculate the
43		forward-looking market risk premium in Opinion No. 531-B.

Laurence Booth and W. Sean Cleary, *Introduction to Corporate Finance*, 1st Edition (2008), at 785. *Ibid.*, at 269. [Emphasis added.] 1

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