Example:

Sensex. Ltd has the following book value capital.

Equity Capital (10 million showes, Rs 10 paul) Rs 100 million Preference Capital, 124. (1,00,000 showes, Rs 100) Rs 10 million Retained economys

Debentures 18. 144. (5,00,000 debentures,) ps 50 million Total.

Rs 360 million

Rs 360 million

The next expected dividend per share is Rs 2. The dividend per share is expected to grow out the reute of 84. The mountet price per share is Ps 20- Preference Stock, redeemable after 10 years, is currently selling for Rs 45 per share.

Debentures redeemable after 6 years, eve selling for Rs 80 per debenture. Text reute is 504.

Calculate averege cost at capital.

Solution:

The cost of equity and seteined econings

$$\frac{D_1}{P_0} + 9 = \frac{2}{20} + 0.08 = 0.18$$

$$= 184.1$$

-> Cost of Preference
$$p_p = \frac{12 + (100 - 45)/10}{0.6 \times 45 + 0.4 \times 100} = 0.1405 = \frac{14.05}{14.05}.$$