DIGITAL ASSIGNMENT - 2 A. R. Keenbana [MGT1063] 22MIA1017 MODULE -3 Explain briefly the various methods of capital budgeting bringing out the merits and demetits of each of each Capital Budgeting refers to the process of evalurating and selection long term unvestment projects that align with an organization's strategic goals. 1) Payback Persod Methods-Payback Period = Instial Investment
Annual Cash Flow MERITS * Simple and easy to calculate DEMERITS

** Ignores the time value of money 2) Accounting Rate of Return ARR = Average Annual Accounting
Instial Investment MERITS

Reasy to understand and compute

For NPV = $\leq \frac{CFt}{(1+x)^t}$ - Co MERITS * IRR is the also count note that makes
the NPV n cash flow yero
MERITS: * Accounts for time value of money DEMERITS: -& Defficult to Calculate manually 5) Profitability Indea (PI) * PI is nation of present value of future cash unflows to Intial Investment PI = PV of Future Cash Floris Instal anvestment

Consider value the Ame descount Regulnes accurate denoral supplies 2) Discuss the various standalone rock analysis techniques of capital budgeting * Standalone visk analysis techniques acces the risk og a frigert år inslation ulthout considering its effect on the overall partfolio of company TECHNIQUES 1) Sensitivity Analoysis a project * Technique measures how sensitive Rate of Rehours Net Present value on Internet such as key variable is do charge in sales volume. PROLESS * Identify calkal varaable affect cash flow MERIT Helps in 9 dentifying the most undal risk Jackers DEMERIT Interrelationship between vaniable Ignores

Scenario Analysis

the simpart of multiple variable * Evaluates changing simultaneously under different possible scienarios

PROLESS different scenaries * Develop

for anterdependencies among variable MERIT * Auounts

DEMERIT

* Regiune extensive date and assumption

3) Monte Carlo Simulation

of It is answarced risk assessment techniques that was probability distribution to uncertainty in each flows model

* Identify by risk factor and assign probability obstrabution

MERIT

* Provides comprehensive rush assesment

DEMERIT Complex of Rme consuming to emplement 4) DECISION TREE ANALYSIS A graph representation of possible project decision and their consequences one Ame

PROCESS Assign perobabilites to various outrome Perorades a vasnal respentation of nish Can be highly complex for large project MODULE - 4 3) Explain the meaning of term capital structure and mention the factor affecting capital structure MEANING:It refers to most of a flow of long term source of flowing, which typically Includes equily and debt Definition of Prasana Chandra The composition of a flrm's flrancing consist of equity, prefuence and debt"

Leverage of Trading on Ananchal Equalty -Operating Leverage EBI/EPS Analysis - Cost of Capatal Growth and Stability of Sales -Nature and Stze of flrm -Flexability - Cash Flow Analysis Control Marketahafely -Floatation Costs -Legal constraints - Capital Market Condition Assest Structure Purpose of Anancing of Anance - Period

d

FACTORS AFFECTANUS CAPITAL STRUCTURE I) Ananusy Leverage or Tradity on Equity * Using debt can enhance neturns for equity shareholder of the fram's neturn on Investment as lagher than the cost of debt 2) Operating Leverage

18 a from has high flowed operating cost

lover debt level himsols gove It should maintain a loner debt level to avoid excessive fenandal nish 3) EBII /EPS Analyses Companies choose a capital structure that maximilyes earning per share at different level of Earning before Interest

4) Cost of Capital The Overall cost of raising fund Influences capital structure decision

3) Growth and Stability of Sales?

sales can afford Funns with stable lægher delet levels. 6) Nature and Saze of Arm Capital entensère endustrées often have high debt lends, while technology ferms may rely more or equety ferancing 7) Fleahbalty Fleshbility capital allows companses to make additional funds without major restructing 8) Cash Flow Analysis : A company with strong and predictable cash flows can afford more delet compared to one nath fluctuating nevenues Consideration 9 Control Issning more equity may delute and control making delot a ownership

ofstions

preferred

13) Legal Constraints Government regulations and legal restractions on bornowing affect structure decision 13) Capital Market Condition Invest sentiment, exonance trends and stock market performance Impact a form 14) Asset structure of tangble From with a to higer proportion asserts can seuvre more deht 15) Purpose of Mancing If funds are regulired for expansion and long term growth, easely may be pereferred whale debt may be used for short term needs 16) Pergod of Pinance If funds are needed for a short pergod delet is prefervable for long term fanancing, equity may be more suitable

to calculate aplain the different approches cost g capatal? Cost of Deht Cost of > [Cost of > Teaxing Loans Retarned = Compution Earnings Component Cort 9 Capital Cost of Equaty Capatal Cost of preference share capetal) COST OF DEBT Kd = A(1-t) The cost of debt is effective interest rate a company pays 2ts borrowed fund

Capital CKP 2) Cost of Poreference based on the Pried It is calculated devidend paid

Kp = Dp

DIRdens avre flored

DEMERITS

More expensive than delet sence preference desidends are next tax deductible

3) Cost of Equaty (Ke)

It Is return regulared by sharehonlders

$$Ke = \frac{D^2}{P_0} + g$$
Must

Musts Simple to use for companies

Demeds

Not applicable to companies not paying dividents Weighted Average Cost of Capatal (WACC)

* WACC represents overall cost of capatal from all
sourcers
Formula * WALL = (Ke + We) + (Kd x Wd * (1-t)) + (Kp x Wp) * Messts
Useful for capstal deirons budgeting Demuits and market with financial ok Can change conditions MODULE -5 5) Destuguish between operating leverage and leverage. Do you thank that Grandal related to capital structure? they are annein

| | | A CONTRACTOR OF THE PARTY OF TH |
|-------------------|--|--|
| Feature | Operating Leverage | Anan Qal Leverage |
| DEFINITION | The suse of flowed operating cost to magnly the Ampact of sales changes on EBI | The use of debt to magnety the surport of EBIT changes on EPS |
| Key | Raed operating costs | Roud Ananval vost |
| Resk Ennolved | Bussiness nish | Anandal rusk |
| Effect on Profits | A higher proportion of fixed costs can increase profit when sales | potential returns |
| Dègnee | DOL = 1. change in EBII 1. change in sales revenue | DEL = 1. change in tassable smoone 1. change in operating smoone |
| Deanon | Concered with In vestment decision | Concered n9th Granval de asson |

1 1

It is described as second stage leverage ige It is described as STRUCTURE RELATION TO CAPITAL debt and equaty used It refers to the mine of by company for fenantaty delision and deridend 1) Walter's Model The firms & mestment pole acs $P = D + \frac{x(E-D)}{ke}$ LIMITATION * Assume no external financing ASSUMPTIONS & Inspirite Ame horizon * 100 /. payout Retentions 2) Goordon's Model 8emphasing approch It is a stock valuration the relevance of defidends

Formula P =

E(1-b) K-br

KEY INSIGHTS

A form that have lagher

stock

plays ligher dividends will

LIMITATION

* Assumes a unrealisted

constant growth rate, which is

Alexander allegation of the state of the sta