\section*{| Chapter 1 | Scope and Objective of Financial Management | Page No.1.1 |
| :--- | :--- | :--- |}


| Exam | M12 | N12 | M14 | M15 | N16 | M17 | N17 | M18 | M19 | N19 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Marks | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 3 |

## Q1. Explain two Basic aspects/ functions of Financial Management. [Nov 09,19]

1. Procurement of fund (Least cost, Risk and Control)
2. Effective utilisation of fund (invest properly and profitably, no fund to be kept idle, return must be greater than cost)

## cma. tec

Q2. What are the three Phases of Evolution of Financial Management? [Nov 02, 09]

1. Traditional Phase

Merger, acquisition, takeovers, liquidations
2. Transitional Phase
day-to-day problems
3. Modern Phase
efficient market, capital budgeting, option pricing, valuation models


## Q4. The two objectives of Financial Management

a) Profit Maximisation (Short term)
b) Wealth maximisation (Long term)
hyrilou. XYZ (Online

## Q5. Profit Maximisation -

Advantages

1. Primary objective
2. Implied objective
3. Growth and development
4. Impact on society
5. Only profit making firms

## Q6. Profit Maximisation -Dis-advantages

1. Not an operationally feasible
2. Term profit is 'Vague'
3. Ignores the risk factor.
4. Ignores time pattern of return
5. Too narrow

## Q7. What is Wealth Maximization?

The value/wealth of a firm is defined as the market price of the firm's stock.

## Q8. Wealth Maximization

## Advantages

1. Considers all future cash flows, dividends, earning per share, risk of a decision etc.
2. Pay regular dividends
3. Considers risk and recognizes the importance of distribution of returns.

## Q9. Wealth Maximization <br> Disadvantages

1. No clear relationship
2. anxiety and frustration

Q10. . Distinguish between Financial management and financial accounting [Nov 09]

| FM | FA |
| :--- | :--- |
| Cash flow | Accrual system |
| Future oriented | Past oriented |
| a. Procurement |  |
| of fund | a. Measurement, |
| b. Effective Recognition |  |
| utilisation |  |$\quad$ c. Disclosure.

[^0]Q12. Explain the role of Finance
Manager in the changing scenario of financial management in India
$\checkmark$ Occupies key position,
$\checkmark$ responsible for shaping fortune of an organisation,
$\checkmark$ earlier role and new roles,
$\checkmark$ New era brings new challenges,
$\checkmark$ role is bigger due to liberalization, deregulation and globalization

## Q13. Emerging issues affecting the role of CFO [ May 2014, Nov 2016]

MT-RTRTRT GSS
l. IRegblationy (Online S
2. Technology
3. Risk-
4. Transformation
5. Reporting-
6. Talent and capabilities-
7. Globalisation-
8. Stakeholder management-
9. Strategy-

## Q14. What do you understand by Finance Function <br> raising of fund----->deciding the cheapest source of finance---- <br> - utilisation of fund-------

$\rightarrow$ provision for refund when money is not required in the business----
$\rightarrow$ deciding most profitable investment in the business---->managing the fund raised------->paying the returns to the provider of the fund

## Q15. Financial distress

1. There are various factors like -
a. price of the product/service, demand, price
b. Proportion of debt
c. short term and long term creditors
2. IT. If) all the above factors are not managed by the firm, it can create situation like distress,
3. Financial distress is a position where the cash inflows of a firm are inadequate to meet all its current obligations.

## Q16. Insolvency-

1. Now if the distress continues for the long time,
2. Revenue is inadequate to revive the situation firm
3. Inability of a firm to repay various debts

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## Q17. Agency problem

## Self-Notes :-

1. Separation between owner/shareholders and managers
2. Managers may try to maximise their individual goals like salary, perks etc

## Q18. Agency cost

1. Agency cost is the addition cost borne by the shareholders to monitor the manager and control their behaviour
a. Monitoring cma.techyribu. xyz (Online Study)
b. Bonding
c. Opportunity
d. Structuring

## Q19. Solution to agency problem

1. Compensation is linked to profit
2. Aligning with objective of shareholders

## Chapter 2 Types of Financing

## Q1. Features of equity shares

1. Permanent capital
2. No liability for cash outflows
3. Right to elect board of directors
4. Redeemed only in case of liquidation
5. Provides a security to other suppliers
6. Costliest but least risky
7. Not obliged legally to pay dividends
8. Cost of ordinary shares is higher
9. Increases company's financial base

## Q2. Features of preferencenshare capital

1. Hybrid security because it has features of both ordinary share capital and bonds.
2. No dilution in EPS
3. There is leveraging advantage
4. The preference dividends are fixed and pre-decided
5. There are no voting rights
[^1]1. Long-term funds may also be provided by accumulating the profits
2. Increase the net worth
3. Increases the debt borrowing capacity
4. This is a form of internal cash accrual.
5. A public limited company mus $\dagger$ plough back a reasonable keeping in view the legal requirements

## Q4. Salient features of term loan

1. Issued for Long term
2. Low cost XYZ (Online
3. Tax deductible
4. Low admin cos $\dagger$
5. Interest depend on credit rating
6. Can put nominee director

Q5. What are the features of Debentures? Or,
Financing a business through borrowing is cheaper than using equity

1. Low cost
2. Tax deductible
3. No control dilution
4. Finance leverage

## 5. Low admin cost

## Q6. What do you understand by Bonds? What are the different types of Bond

Bond is fixed income security created to raise fund.

Types of Bond-

1. Callable bonds: A callable bond has a call option which gives the issuer the right to redeem the bond before maturity at a predetermined price known as the call price
2. Fyultable bonds: Puttable bonds give the investor a put option (i.e. the right to sell the bond) back to the company before maturity

## Q7. Masala Bond

1. It is an Indian name used for Rupee denominated bond that Indian corporate borrowers can sell to investors in overseas markets
2. Issued outside India but denominated in Indian Rupees
3. First issued by NTPC for 2000 crore.

## Q8. Municipal Bonds <br> used to finance urban infrastructure are increasingly evident in India

Q9.Government bond or treasury bond These bonds issued by Government of India, Reserve Bank of India, any state potential of success
Government or any other Government department

## Q10. Explain Bridge Finance

1. Short term financing, because of pending disbursement
2. Hypotication against movable assets
3. High interes $\dagger$ cos $\dagger$
4. Repaid out once proceed is received

## Q11. What do you understand by Venture capital financing? What are the methods of venture capital financing? [Nov 2002, 08, May 2005,13]

1. The venture capital financing refers to financing of new high risky venture promoted by qualified entrepreneurs who lack experience and Fund.
2. VC make investment to purchase

Equity or Debt securities of highly risky ventures with a potential of success.

## Q12. Method of venture capital financing

1. Equity Financing (does not exceed 49\%)
2. Conditional loan (No interest, only 2 and 15 per cent Royalty)
3. Income note: (features of both conventional loan and conditional loan.)
4. Participating debenture

Y ar. iln the stantzup phase notintergestS is charged
b. Next stage a low rate of interest
c. After that, a high rate of interest

Q13. Discuss the factors that a venture capitalist should consider before financing any risky project.

1. Quality of the management team
2. Technical ability of the team
3. Technical feasibility of the new product.
4. Risk involved
5. Market for the new product.
6. Capacity to bear risk or loss

## 7. Exist routes

8. place on the Board of Director

## Q14. What is debt securitization? Explain the basics of debt securitisation process ?

1. Debt securitization is a process of transformation of illiquid assets into security, which may be traded later in open market
2. It is a method of recycling of funds
3. Assets generating steady cash flows are packaged together and against this asset pool, market securities ud gan be issued, e.g. housing finance, auto loans, and credit card receivables. e.g. housing finance, auto loans, and credit card receivables

## Q15. Process of securitization

1. The origination function - A borrower seeks a loan from a finance company
2. The pooling function - Similar loans on receivables are clubbed together to create an underlying pool of assets
3. The securitization function - SPV will structure and issue securities on the basis of asset pool

## Chapter 2 Types of Financing

## Q16. Advantages of Debt <br> Securitization

1. Method of recycling of funds
2. The asset is shifted off the Balance Sheet
3. Converts illiquid assets to liquid portfolio
4. Better balance sheet management
5. Credit rating enhances

## Short term sources of finance

Q17. Name few instruments of Short term finance

1. Trade Credit
2. Advances from Customers
3. Bank Advances:
4. Accrued Expenses and Deferred Income

## Q18. What is Commercial Paper?

 What are its features? Explain the eligibility criteria for issue of commercial paper1. It is an Unsecured money market instrument
2. Vaghul working group 1990 made recommendation for criteria of issue
3. Maturity may range from 7days- 1 year.
4. Issued in multiple of 5 lakh
5. Only high rated corporate borrowers can issue Commercial paper

## Q19. Conditions are eligible to issue commercial paper.

1. tangible net worth of the company is Rs. 5 crores or more
2. Working capital limit is not less than Rs. 5 crores
3. Necessary credit rating
4. Minimum current ratio of 1.33:1 5. Listedt on one or more stock ne exchanges
5. All issue expenses shall be borne by the company

## Finance related to

## Export-Pre-Shipment Finance

## Q20. What do you understand by packing credits

1. Advance for buying goods and capital equipment to the exporter
2. Advance given against Export order

## or Irrevocable Letter of Credit

3. liquidated within 180 days from the date of its commencement by negotiation of export bills or receipt of export

## Q21. What are the different types of packing credits

a. Clean packing credit -advance made available to firm export order or a letter of credit without exercising any charge
b. Packing credit against hypothecation of goods pledgeable interest and the goods are hypothecated to the bank as security
c. Packing credit against pledge of goods
d. E.C.G.C. guarantee
e. Forward exchange contract -
f. exporter should enter into a forward exchange contact with the bank,

## Q22. Post shipment packing credits

Banks provide finance to exporters by purchasing export bills drawn payable at sight or by discounting usance export bill covering confirmed sales and backed by documents including

## Chapter 2 Types of Financing

documents of title of goods such as bill of lading, post parcel receipt, or air consignment notes.

## Q23. Certificate of Deposit (CD)

1. Document of title similar to a time deposit receip $\dagger$
2. No prescribed interest rate on such funds
3. Banker is not required to encash the deposit before maturity
4. He can sell the CD in secondary market.

## Q24. Public Deposits

1. Deposit from public
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2. Max $35 \%$ of paid up share capital \& reserves
3. Accepter for $6 M$ to 3 Years
4. Raised mainly for working capital

## Q25. Seed capital assistance'

1. Scheme of IDBI
2. Professionally qualified entrepreneurs
3. Max 2cr project cos $\dagger$
4. Max loan is $50 \%$ of owner's contribution or 15 Lakh which is low
5. Initially no interest but service charge of $1 \%$, moratorium period 5 Years.

## Q26. Secured Premium Notes

1. Secured Premium Notes is issued along with a detachable warrant
2. Redeemable after a notified period of say 4 to 7 years.
3. Tradable instrument whereby investor gets right to apply for equity share

## Q27. Deep discount bonds (DDB)

1. It is issued by IDBI
2. Deeply discounted
3. No interest is paid during lock-in period
4. IDBI was first to issue DDB in

Y January 1992 with maturity period of 25 years. The bond was issued for 2,700 with face value of 1,00,000.

## Q28. Zero Coupon Bonds

1. No interest is paid till maturity.
2. It is deeply discounted
3. Difference between issue price and redemption value represents interes $\dagger$
4. Indexation and concessional tax rate
5. Lesser lock-in compared to DDB

## Q29. International Financing

1. External commercial Borrowings (ECB)
2. Euro Bonds:
3. Foreign Bonds:
4. Medium Term Notes
5. Euro Convertible bond
6. Fully Hedged Bonds
7. Euro Commercial paper
8. Foreign currency Options:
9. Foreign Currency Futures
10. Floating Rate Notes (FRN):

## Q30. American Depository Receipts (ADR)

1. सhese are securities offered by non-US companies who want to list on any of the US exchange
2. ADR represents a certain number of a non US company's regular shares
3. ADRs are issued by an approved New York bank or trust company..
4. ADRs goes through US brokers, Helsinki Exchanges and DTC as well as Deutsche Bank
5. The most onerous aspect of a US listing for the companies is to provide full, half yearly \& quarterly accounts to Security Exchange Commission USA.

## Chapter 2 Types of Financing

## Q31. Global Depository Receipts (GDR)

1. Represents the share of Non- US based company
2. GRDs are created when local currency share of Indian company are delivered to the depository's local custodian bank, against which depository receipts are created in US\$.
3. GDRs may be freely traded like any other dollar denominated security
4. Advantage over debt as there is no repayment of principal
5. Indian companies have preferfred ecl the GDRs to ADRs

Q32. Indian Depository Receipts (IDR)

1. The concept of the depository receipt mechanism which is used to raise funds in foreign currency has been applied in the Indian Capital Market through the issue of Indian Depository Receipts (IDRs).
2. IDRs are similar to ADRs/GDRs
3. The IDRs are listed and traded in India in the same way as other Indian securities are traded.

## Q33. What is factoring

Factoring involves provision of specialized services relating to credit investigation, sales ledger management purchase and collection of debts, credit protection as well as provision of finance against receivables and risk bearing.

## Q34. Advantages and Limitations of factoring

Advantages:

1. Firm can convert accounts receivables into cash
2. Steady pattern of cash inflows.
3. Tiritually stiminates thenneed for the credit department
4. Relieving the borrowing firm of substantially credit and collection costs.
Limitations: Cost of factoring is generally higher

## Q35. What are the types of Factoring

1. With recourse- Bad debt borne by the client
2. Non-recourse/ full factoring- Bad debt borne by Factor
3. Maturity factoring- factor pays to the client on guaranteed date
4. Advance factoring- $80 \%$ per-

## LEASE FINHNCING MOST IMPORTANT

## Q1. What is lease

Leasing is a general contract between the owner and user of the asset over a specified period of time.

## Q2. Significant Features of Operating Lease

1. Does not secure for the lessor the recovery of capital outlay plus a return on the funds
2. Cancellable with proper noffice. tecl
3. Shorter than the asset's economic life
4. Lessee is obliged to make payment until the lease expiration

## Q3. Finance Lease (Capital Lease) Meaning and Significance

1. A financial lease is longer term
2. It is generally non-cancellable or cancellable at high penalty
3. Equipment is leased for the major part of its useful life.
4. Lessee has the right to use the equipment while the lessor retains legal title

## 5. It is nothing but a loan in disguise

## Q4. DIFFERENCE BETWEEN FINANCIAL LEASE AND OPERATING LEASE

Ownership-
Financial Lease- The risk and reward incident to ownership are passed on to the lessee
Operating Lease- Risk incident to ownership belong wholly to the lessor.
Risk of Obsolescence-
Financial Lease-Lessee bears the risk
Qperating Lease-lesspobears therisk cancellable-
Financial Lease- non-cancellable by either party
Operating Lease- the lease is kept cancellable by the lessor
Repairs and Maintenance-
Financial Lease- Lessee bear the cost of repairs maintenance or operations. Operating Lease- lessor bears cost of repairs, maintenance or operations.
Covering cost of asset-
Financial Lease- Covers cost + Return Operating Lease- Does not cover full cost

## Q5. Sale Aid Lease

1. Lessor enters into a tie up with a manufacturer for marketing the latter's product through his own leasing operations, it is called a sales-aid lease
2. The manufacturers may grant either credit or a commission to the lessor
3. Lessor earns from both sources

## Q6. Leveraged Lease

1. Under this lease, a third party is involved beside lessor and lessee.
2. The lessor borrows a part of the

Id purchase cost (say $80 \%$ ) of the asset from the third party.
3. The lender is paid off from the lease rentals directly by the lessee and the surplus after meeting the claims of the lender goes to the lessor.
4. The lessor is entitled to claim depreciation allowance.

## Q7. Sale and Lease back

1. The owner of an asset sells the asset to a party (the buyer), who in turn leases back the same asset to the owner in consideration of a lease rentals.

## Chapter 2 Types of Financing

2. The asset is not physically exchanged but it all happen in records only.
3. Also, Lessee can satisfy himself completely regarding the quality of an asset.
4. Under this transaction, the seller assumes the role of lessee and the buyer assumes the role of a lessor.

## Q8. Close-ended and Open-ended Leases

In the close-ended lease, the assets get transferred to the lessor at the end of lease, the risk of obsolescernce residual value etc., remain with the lessor being the legal owner of the asset.
In the open-ended lease, the lessee has the option of purchasing the asset at the end of the lease period.

## Q9. Advantages of Leasing- Exam November 2018

(1) Lease may be low cost alternative:
(2) Tax benefit:
(3) Working capital conservation:
(4) Preservation of Debt Capacity:
(5) Obsolescence and Disposal:
(6) Restrictive Conditions for Deb $\dagger$

Financing:

## Q10. Limitations of Leasing

1. The lease rentals become payable immediately and no moratorium period is permissible
2. Default in payment by the lessor leads in seizure of assets by banks causing loss to the lessee.
3. Lease financing has a very high cost

## Chapter 2 Types of Financing

## Cash Management-

## Theory from Chapter 10 (WCM)

Q1. What is the meaning of Treasury management and key Goals
Treasury management is defined as 'the corporate handling of all financial matters'
key goals of treasury management are:-
a. Maximize the return on the available cash;
b. Minimize interest cost on borrowings;
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c. Mobilise cash for corporate ventures
d. Reduce the risk of currency fluctuation

## Q2. Functions of Treasury Department

a. Cash Management:
b. Currency Management:
c. Fund Management
d. Banking:
e. Corporate Finance

Q3. Various purposes of cash budgets

1. Plan for and control cash receipts and payments.
2. Identifies the period(s) of shortage of cash or an abnormally large cash
3. To take advantage like cash discounts
4. Plan/arrange adequately needed funds

## Q4. Different Kinds of Float with Reference to Management of Cash

1. Billing Float- The time between the sale and the mailing of the invoice
2 Maib Fload time when a cheque is being processed by post office
2. Cheque processing float-time required for the seller to sort, record and deposit the cheque
3. Bank processing float-time from the deposit of cheque to crediting of funds in the seller's account

## Q15. What is Concentration Banking?

1. Establishes a number of strategic collection centres in different regions instead of a single collection
2. Reduces the period between the time a customer mails in his remittances
3. Payments received by the different
collection centres are deposited with their respective local banks, which in turn transfer to head office.

## Q16. Lock Box System

1. A lock box arrangement usually is on regional basis which a company chooses according to its billing patterns.
2. Eliminate the time between the receipts of remittances by the company and deposited in the bank.

## Q17. Virtual Banking \& its advantages

Vinfual banking refers to the provision of banking and related services through the use of information technology Advantages:
a. Lower cost of handling a transaction.
b. Increased speed
c. Lower cost of operating branch
d. Improved and a range of services
e. Rapid, accurate and convenient.

## Q18. Three principles relating to

 selection of marketable securitiesa. Safety:
b. Maturity:
c. Marketability:

## Chapter 2 Types of Financing

## Q19. Advantages of Electronic Cash <br> Management System

a. Significant saving in time.
b. Decrease in interest costs.
c. Less paper work
d. Greater accounting accuracy.
e. Supports electronic payments.
f. Faster transfer of funds from one location to another, where required.
g. Speedy conversion of various instruments into cash.
h. Produces faster electronic reconciliation.

Q20. Baumol's Model of Cash Management and also write its assumptions
a. Developed a model for optimum cash balance which is used in inventory management
b. Trade-off between cost of holding cash
c. The two opposing costs are equal and where the total cost is minimum.
The model is based on the following assumptions:

1. Cash needs of the firm are known with certainty.
2. Cash is used uniformly and it is also known with certainty.
3. Holding cost is known and it is constant.
4. Transaction cost also remains constant.
$C=(2 A T / H)^{1 / 2}$

## Q21. Miller - Orr Cash Management Model

1. According to this model the net cash flow is completely stochastic.
2. When changes in cash balance occur randomly, the application of control theory serves a useful purpose.
3. When the cash balance reaches the

Y upper limit, the tronsferof cash equal to $0^{\circ} h-z^{\prime}$ is invested in marketable securities account
4. When it touches the lower limit, a transfer from marketable securities account to cash account is made. During the period when cash balance stays between $(h, z)$ and $(z, 0)$
5. These limits satisfy the demands for cash at the lowest possible total costs.

Spread $=3\left(\frac{3 / 4 \times \text { Transaction Cost } \times \text { Variance of Cashflows }}{\text { Interest rate }}\right)^{1 / 3}$

## Q22. MAXIMUM PERMISSIBLE BANK FINANCE (MPBF)- TANDON <br> COMMITTEE

## The Tandon Committee set by RBI

suggested three lending norms which
are as follows:
Lending Norms
I. MPBF $=75 \%$ of [Current Assets Less Current Liabilities] i.e. 75\% of Net Working Capital
II. MPBF = [75\% of Current Assets] Less Current Liabilities
III. MPBF $=[75 \%$ of Soft Core Current Assets] Less Current =udy $)^{\text {Liabilities }}$

The salient features of new credit system were:
a. For borrowers with requirements of upto Rs. 25 lakhs -without going into detailed evaluation.
b. For borrowers with requirements above Rs. 25 lakhs, but upto Rs. 5 crore- $20 \%$ of the projected gross sales of the borrower.
c. For borrowers not falling in the above categories, the cash budget systems may be used to identify the working capital needs.


| 20 | Debtor T/O ratio | Credit sales |
| :---: | :---: | :---: |
|  |  | Average Account receivable |
| 21 | Debtor velocity ratio | Average account receivables Average daily credit sales or $\frac{360 \text { days/52 weeks/ } 12 \text { months }}{\text { Debtor turnover ratio }}$ |
| 22 | Payable T/O ratio | $\frac{\text { Annual Credit purchase }}{\text { Average Account payable }}$ |
| 23 | Creditor/ payable velocity ratio | Average account payable <br> Average daily credit purchase or 360days/52 weeks/ 12 months - LCxediforytirnnuerlatid Y Z |
| 24 | Gross Profit ratio | $\frac{\text { Gross Profit }}{\text { Sales }}$ |
| 25 | Net Profit ratio | $\frac{\text { Net Profit }}{\text { Sales }}$ |
| 26 | Operating profit ratio | Operating Profit / Sales |
| 27 | Expense ratio- <br> Cost of goods sold ratio | $\frac{\text { Cost of goods sold }}{\text { Sales }}$ |
| 28 | Expense ratio- <br> Operating EXPENSE ratio | admin + Selling and distribution |
| 29 | Expense ratio- <br> Operating ratio | COGS+ Operating. Expense Sales |
| 30 | Expense ratio- <br> Financial expense ratio | Financial expense Sales |
| 31 | Return on investment (ROI) | $\frac{\text { Return/ Profit/ Earnings }}{\text { Investment }}$ |


| 32 | Return on assets (ROA) | EBIT (1-tax) |
| :---: | :---: | :---: |
|  |  | Average Total assets |
| 33 | Return on capital employed (ROCE) - pre tax | EBIT |
|  |  | Capital employed |
| 34 | Return on capital employed (ROCE) - post tax | EBIT (1-tax) <br> Capital employed |
| 35 | Return on Equity | EAT-Preference dividend |
|  |  | Net worth/ Equity shareholder's fund |
| 36 | Earnings Per share | Net profit available to equity shareholders |
|  |  | Number of equity shares outstanding |
| 37 | Dividend per share <br> nline Study) | Dividend paid to equity shareholders |
|  |  | Number of equity shares outstanding |
| 38 | Dividend payout ratio | Dividend per share <br> Earnings per share |
| 39 | Price Earnings Ratio P/E ratio | $=\frac{\text { Market Price per Share(MPS) }}{\text { Earnings per Share(EPS) }}$ |
| 40 | Dividend Yield | Dividend |
|  |  | Market price per share |
| 41 | Earnings Yield | Earnings per share (EPS) |
|  |  | Market price per share (MPS) |
| RETURN ON EQUITY USING DU- PONT MODEL |  |  |
| $=$ NET PROFIT MARGIN $\times$ ASSET TURNOVER RATIO $\times$ EQUITY MULTIPLIER |  |  |
| NetProfit $\times$ Revenue |  | $x \quad$ Total Assets |
| Revenue Total assets Net worth <br> Equity multiplier adds the leverage effects.  |  |  |
|  |  |  |  |

## Chapter 4 Cost Of Capital

| Particular | Formula |
| :--- | :---: |
| Debt and term loan |  |
| Cost of <br> redeemable debt | Interest (1-tax)+(RV- NP)/n |
| Cost of <br> Irredeemable <br> debt | $(R V+N P) / 2$ |
| Cost Of Term <br> Loan | Interest (1-tax) |
| Cost of <br> redeemable debt <br> With Capital Gain tax <br> - Special case | Interest (1-t) |
| CMP is to be used when question mentions the word <br> current Market price cma |  |


| Preference Share |  |
| :--- | :---: |
| Cost of <br> redeemable <br> Preference Share | Preference Dividend + (RV- NP)/n |
| Cost of <br> Irredeemable <br> Preference Share | Preference dividend |
| CMP is to be used when question mentions the word <br> current Market price |  | Special Note:- In the above formulas, it is the amount of interest and not the percentage of interest

## Equity Share capital

| As per Dividend Price Approachwith Zero Growth | $K e=\frac{D}{P O}$ |
| :---: | :---: |
| As per Dividend Price Approachwith Growth | $K e=\frac{D 1}{P 0}+g$ |
| As per Dividend Price Approachwith Growth and Flotation cost | $K e=\frac{D 1}{P-F}+g$ |
| As per Dividend Price Approachwith Growth and (Flotation cosst in \% | $\begin{aligned} & \mathrm{Ke}=\frac{\mathrm{D} 1}{\mathrm{PO}(1-\mathrm{f})}{ }^{+g} \\ & \mathrm{dy}) \end{aligned}$ |
| As per Earning Price Approach- with NO Growth | $K e=\frac{E}{P O}$ |
| As per Earning Price Approach- with Growth | $K e=\frac{E 1}{P O}+g$ |
| CAPM | $\begin{aligned} & \text { Ke }=R f+(R m-R f) \beta . \\ & \text { Where, } R f=\text { Risk Free rate } \\ & R m=\text { Market risk } \\ & (R m-R f)=\text { risk premium } \end{aligned}$ |

## Retained Earnings

| Cost of Retained <br> earnings | Ks $=$ Ke |
| :--- | :--- |

## Chapter 4 Cost Of Capital

| Cost of Retained earnings- under personal tax | $K s=K e-t p$ <br> Or $\operatorname{Ke} \times(1-t) \times(1-t p)$ |
| :---: | :---: |
| Growth formula | Steps to be followed: <br> 1. Take the number on your calculator <br> 2. Press the root button 12 times <br> 3. Subtract 1 from it <br> 4. Divide by the root you wanted. If suppose u wanted 5th root divide it by 5 <br> 5. Add 1 <br> 6. Press ' $x$ ' $=$ ' 12 times <br> 7. Subtract 1 and press 100 |
| Growth formulaOnly for Gordon | Growint \&9) もbexchyribu . XYZ <br> $r=$ rate of return on the fund <br> $b=$ earnings retention ratio/ rate |

## Weighted Average Cost of capital

## Book Value Weight

Market Value Weight

1. Derived From Book value
2. Retained earnings are Available at Book value
3. Data is Available from Balance sheet
4. Derived From values in the market.
5. Can be calculated by multiplying
number of securities $x$ price per security
6. Retained earnings are no $\dagger$ available directly. Rather they are hidden in the


## CalculationSofuWACC using Book value or Market Value as weight

| Particular | Cost | Capital | Weight | WACC |
| :--- | :--- | :--- | :--- | :--- |
| Equity | Ke | Xx | W 1 | Ke $\times$ W1 |
| Pref. sh. | Kp | $\mathrm{X} x$ | W 2 | $\mathrm{Kp} \times \mathrm{W} 2$ |
| Ret. Eng. | Kr or Ks | Xx | W 3 | $\mathrm{Ks} \times \mathrm{W} 3$ |
| Debt | Kd | $x x$ | W4 | $\mathrm{Kd} \times$ W4 |
|  |  |  |  | Ko $=$ WACC |

Note:

1. capital May be book value or Market value but will be specified in question
2. Also, Note that a single table with 3 additional column can be used to solve question with both Book value and Market Value as weight

| Very Important Formulas |  |
| :---: | :---: |
| Formula for Value of Debt | * Value of debt $x$ Cost of debt $=$ Coupon (interest) <br> Or <br> * Value of debt = Interest / cost of debt |
| Value of equity | * Value of Equity $x$ cost of equity $=$ EBT (since under this assumption there is no tax rate). <br> * Value of equity = EBT/ cost of equity |
| Value of Firm | * Value of the firm = Value of debt + Value of equity <br> Or <br> * Value of the firm = EBIT/WACC |
|  | These Formilas are eusechto find value of y Z the firm. All these 4 Formulas are to be used simultaneously |
| EBIT <br> Indifference | $\frac{\text { EBIT }-I_{1}(1-t)-P D_{1}}{E 1}=\frac{E B I T-I_{2}(1-t)-P D_{2}}{E 2}$ <br> Where I= Interest <br> PD = Preference dividend <br> E1 and E2 are no of equity shares |
| Financial BEP | $\text { Interest }+\frac{\text { PD }}{(1-t)}$ <br> Or, $(x-\text { Int. })(1-t)-P D$ |
| Optimum Capital Structure | Where EPS under given plans is maximum |

## $\square$ Capital Structure Theories

## 1. Net Income Approach (NI) Approach- <br> (Crux- WACC is affected by cap. Structure. Both Ke and Kd remains constant)

a) $\mathrm{Kd}=$ cost of deb $\dagger$
b) Ke is cost of equity
c) Cost of debt Kd is always less than Ke.
d) Kd and Ke remains constant at all the levels of debt- equity mix.
e) This Theory suggests maximum use of cheaper fund, Debt

## Traditional Approach

(Crux- WACC is affected by cap. Structure. Both Ke and Kd changes, with steeper rise in Ke, and thus WACC changes)
a) Cost of Debt Kd is always less than cost of equity Ke
(b) IRd añdMKevariestwithlthe)change in debt equity mix
c) Increase in cost of equity is steeper and higher that increase in cost of debt
d) Thus the WACC is affected by change in capital structure

| Indifference Approach |
| :--- |
| Net Operating Income Approach |
| (Crux- WACC is not affected by cap. Structure. Both <br> Ke and Kd changes but in opp. direction and thus <br> WACC remains constant) |
| a. The market capitalizes the value of the firm as whole. <br> b. Thus the split between debt and equity is not important. <br> c. advantage of low cost debt is set off exactly by increase in <br> equity capitalization rate. <br> d. overall cost of capital (Ko) remains constant |

## Chapter 5 Capital Structure

Page No. 5.2

## Modigliani- Miller Approach (MM)

(Crux- WACC is not affected by cap. Structure. Both Ke and Kd changes but in opp. direction and thus WACC remains constant)
MM Approach is refinement of Net operating income approach. The theory is same with some additional propositions.

## MM approach - 1958 without tax

Propositions were derived by MM approach

1. Value of levered firm (Vg) = Value of unlevered firm (Vu).
2. Value of a firm = Net operating income (NOI)/ Ko
3. $\mathrm{Ke}=\mathrm{KO}+(\mathrm{KO}-\mathrm{Kd}) \mathrm{x}$ Debt/Equity

| 7 Steps in Calculation of MM Problems under |  |
| :--- | :--- | :--- |
| NO TAX approach |  |\(\left.\quad \begin{array}{c}7 Steps in Calculation of MM Problems under <br>


WITH TAX approach\end{array}\right]\)| Calculate/ Find EBIT |
| :--- |


| Chapter 6-Leverage |  |  |  |
| :---: | :---: | :---: | :---: |
| Particular | Operating leverage Or <br> Degree of Operating leverage <br> or <br> DOL | Finance leverage Or Degree of Finance leverage or DFL | Combined leverage Or <br> Degree of Combined leverage <br> or <br> DCL |
| Advantage of What? | Taking The Advantage of Operational Fixed Cost (Fixed cost) | Taking The Advantage of Fixed Financial Obligation (Interest and Preference dividend) | Taking The Advantage of both Operational Fixed Cost and Fixed Financial Obligation |
| What does it signifies | Signifies that for eyery $1 \%$ change in sale there will be ( $1 \times$ OL)\% change in EBIT | Signifies that for esvery $1 \%$ ) change in EBIT there will be ( $1 \times \mathrm{FL}$ )\% change in EPS | Signifies that for every $1 \%$ change in sale there will be <br> ( $1 \times$ CL)\% change in EPS |
| Formula No. 1 | $\text { DOL }=\frac{\text { Contribution }}{\text { EBIT }}$ | $D F L=\frac{E B I T}{E B T-\frac{P D}{(1-t)}}$ | $D C L=\frac{\text { Contribution }}{E B T-\frac{P D}{(1-t)}}$ |
| When to use the formula? | When Data is given for Single years |  |  |
| Formula No. 2 | $\text { DOL }=\frac{\text { \% Change in EBIT }}{\text { \% Change in Sales }}$ | $\text { DFL }=\frac{\text { \% Change in EPS }}{\text { \% Change in EBIT }}$ | $D C L=\frac{\text { \% Change in EPP }}{\text { \% Change in Sales }}$ |
| When to use the formula? | When Data of two years is Given |  |  |
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### 6.3.3 Chart Showing Operating Leverage, Financial Leverage and Combined leverage

| Profitability Statement |  | OperatingLevarage(Online st Combined\|Financial\}evarage |
| :---: | :---: | :---: |
| Sales <br> Less: Variable Cost <br> Contribution <br> Less: Fixed Cost <br> Operating Profit/ EBIT <br> Less: Interest <br> cma.techyribu <br> Earnings Before Tax (EBT) <br> Less: Tax <br> Profit After Tax (PAT) <br> Less: Pref. Dividend (if any) <br> Net Earnings available to equity <br> shareholders/ PAT <br> No. Equity shares ( N ) <br> Earnings per Share (EPS) $=($ PAT $\div \mathrm{N})$ |  |  |


| Particulars | Payback period | ARR or Average rate of return or, Accounting rate of return | Reciprocal payback |
| :---: | :---: | :---: | :---: |
| Whether Discounting or Non Discounting | Non Discounting | Non Discounting | Non Discounting |
| What does it signifies | It is the time required to recover back the principal amount invested | This method gives rate of return of the project without considering time value of Money. This method use Profit after tax and not cash flow for analysis | The reciprocal of the payback would be a close approximation of the Internal Rate of Return |
| Formula | Max year of Insufficient recovery + Balance Recovery recovery in next year <br> cma.techyribu. xyz | ```ARR=}\frac{\mathrm{ Average PAT }}{\mathrm{ Average Investment}}\times10 Or, ARR= Average PAT x }10 Original Investment Where &verage baATY) Total PAT < No. of years``` | Reciprocal payback= 1/ Payback Period |
| Steps | Make table of- <br> 1. Year, Cash Flow, Cumulative cash flow. <br> 2. Select the year till when the investment is not recovered fully. <br> 3. Then apply the formula | Calculate Average PAT <br> Calculate Average investment or original Investment (as the case may be) <br> Apply the formula |  |
| Criteria of selection | Project with lower payback is beneficial | Higher ARR is Preferable | Higher Reciprocal Payback gives Higher approximate Payback. |
| Precaution | None | ARR is to be calculated on PAT and not cash flow | None |
| Reference with table below | Refer Column - A, B and E | Refer Cash Flow Format |  |

## Chapter 7 Capital Budgeting

| Particulars | Discounted Payback | NPV | Profitability Index |
| :---: | :---: | :---: | :---: |
| Whether Discounting or Non Discounting | Discounting | Discounting | Discounting |
| What does it signifies | It is the time required to recover back the principal amount invested considering the impact of Discounting | Signifies that how much is the gain or loss on the project after considering TVM | Signifies how much is earned for every rupee invested |
| Formula | Max year of Insufficient recovery＋ Balance Recovery Discounted recovery in next year | PV of Inflow－PV of outflow | $=\frac{\text { PV of Inflow }}{\text { PV of Outflow }}$ |
| Steps | Make table of－ <br> 1．Year，Cash Flow，PV factor，DCF， CDCF Cumulative discounted cash cmafow． <br> 2．Select the year till when the investment is not recovered fully． <br> 3．Then apply the formula | Make Table－ <br> 1．Year，Cashflow， PV factor，DCF <br> 2．N⿰亻⿱亠䒑口阝e sum toted of PV of Inflows <br> 3．Then apply the formula | Make Table－ <br> 1．Year，Cashflow，PV factor，DCF <br> 2．Make sum total of PV of Inflows <br> 3．Take PV of Outflow <br> 4．Then apply the formula |
| Criteria of selection | Project with lower Discounted payback is beneficial | Higher or Zero NPV will lead to project selection | Higher PI is selected |
| Precaution | While applying the formula，consider discounted cashflow column and not cashflow column | None | None |
| Reference with table below | Refer Column－A，B，C，D and F | Refer Column－$A, B, C$ ， and D | Refer Column－A，B，C，and D |
| What about project with unequal life |  | Equated annual Value NPV $\div$ PVAF（of two projects） |  |
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## Chapter 7 Capital Budgeting

| Particulars | Internal Rate of Return (IRR) or Internal rate of return (ERR) |
| :---: | :---: |
| Whether Discounting or Non Discounting | Discounting |
| What does it signifies | Signifies that how much the PROJECT IS ACTUALLY EARNING |
| What happens at IRR | 1. $N P V=0$ <br> 2. Therefore, at IRR PV of Inflow $=P V$ of Outflow <br> 3. At IRR, Profitability Index (PI) $=1$ |
| Formula | $\frac{\text { Lower rate }+ \text { NPV of lower rate }}{\text { Difference in NPV }} \times$ (difference in rate) |
| Steps | Make table of- <br> 1. Year, Cash Flow, PV factor at $1^{\text {st }}$ rate, DCF at $1^{\text {st }}$ rate and then PV factor at $2^{\text {nd }}$ rate DCF using 2 nd rate. <br> 2. Then apply the formula |
| Criteria of selection | dHigher IRR Chyribu. XYz (Online Study) |
| Precaution | None |
| Reference with table below | A, B, C, D and H |

When the project is discounted using Ko, it gives PV of inflow.

When the project is discounted using
IRR rate it gives PV of Outflow.

PV of outflow is also known as cost the project

Table 1- calculation of Payback, Discounted Payback, NPV, IRR

| Year | Cash flow | PV factor @10 \% | DCF | CCF | CDCF | PV factor @y rate | DCF @ y\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A | B | $c$ | D | E | F | $G$ | H |
| 0 | ( $x \times x \times x$ ) | 1 | $B \times C$ |  |  | 1 | $B \times E$ |
| 1 | $x \times x \times x$ | 0.909 | $B \times C$ | Sum B | Sum D | 0.869 | $B \times E$ |
| 2 | $x \times x \times x$ | 0.826 | $B \times C$ | Sum B | Sum D | 0.756 | $B \times E$ |
| 3 | $x \times x x x$ | 0.751 | $B \times C$ | Sum B | Sum D | 0.657 | B $\times$ E |
| 4 | $x \times x \times x$ | 0.683 | $B \times C$ | Sum B | Sum D | 0.571 | B $\times$ E |
|  |  | NPV | XXXXXX |  |  | NPV | XXXXX |

## Chapter 8

The Chapter is based on the concept that projects are prone to risks and thus the project may fail if adverse business circumstances occur. Thus in this chapter we will study various techniques to evaluate the project under adverse situations and if the project still gets selected it will be Taken

Certainty Equivalent

| Probability based risk analysis | Risk Adjusted Discounted rate |
| :---: | :---: |
| Calculate Expected value by Multiplying each cash flow with assigned probability. <br> You will get expected value | It is the rate where the risk free rate is coupled with Risk |
| Calculate Variance by taking sum of (Expected value- each possible event) ${ }^{2} \times$ Probablity | uncertainties. <br> .xyz (Online S |

Expected cash flows are multiplied with certainty equivalent $a^{\dagger}$ to make them certain.

Now this uncertain cash flows are converted into certain cashflow and now you need to discount them with risk free rate

Note: While discounting take risk free rate of return and not the risk associated rate of return

Higher The coefficient of Variation denotes higher risk.
If there are two projects one with lower coefficient of Variation and Other with Higher coefficient of Variation. Select project with lower coefficient of Variation as it denotes lower risk

It is the rate where the risk free rate is coupled with Risk premium to adjust the uncertainties.
(Online S Calculate Standard deviation by by taking Square root of the value derived

Standard deviation means expected deviation from mean value. Higher the Standard deviation, higher is the risk. Calculate Coefficient of variation by Standard deviation/ Expected Value

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| Sensitivity Analysis |  |  | Scenario Analysis |
| :---: | :---: | :---: | :---: |
| Project is affected by various factors such as Cost of Capital, Initial Cash outflow, Annual cash inflows, Life of the project, etc |  |  | All input variables change simultaneously |
| In Sensitivity analysis we take into consideration the impact of change in each Factor, and calculate Revised NPV |  |  | Here the project will be given and we need to evaluate project as per their instruction |
| The NPV which is derived from above calculation is then compared and the Factor which leads to least NPV is the most sensitive factor. |  |  | Generally, In the question we are given three outcomes, <br> Best Outcome |
| The Identified sensitive factor is generally then considered most critical by management and thus taken care |  |  | Most Likely <br> Worst Outcome |
| Note: In sensitive analysis we consider changing ONE VARAIBLE at a time and not all thervariablesat theitione. Xyz (On line |  |  | Study) |
|  |  |  | Also some times we are asked to |
| Factors and When they become adverse or favorable |  |  | calculate the answer with differen |
| Particulars | Adverse | Favorable |  |
| Sale price | When it decrease | When it increase |  |
| No. of Units | When it decrease | When it increase |  |
| Cost of production | When it increase | When it decrease |  |
| Fixed cost | When it increase | When it decrease |  |
| Initial proj. cost | When it increase | When it decrease |  |
| Annual Cash inflow | When it decrease | When it increase |  |
| Life of project | When it decrease | When it increase |  |
| Discount rate | When it increase | When it decrease |  |

## Chapter 9 Dividend Decision

| Particular | Formula |
| :---: | :---: |
| Basic Formulas |  |
| Earnings per share | $\frac{\text { Net income (EATESH) }}{\text { No. of Shares }}$ |
| Payout Ratio | $\frac{\text { Dividend per share }}{}$ |
| Retention ratio | Or$1-$ Payout ratio <br> Retained earnings |
| Dividend per share | Total equity Dividend No. of Share |
| Dividend rate | cma. Dividend_ber share $\cdot X Y Z$ Face Value per share |
| Dividend Yield | Dividend per share Market Value per share |
| Growth (g) | $b \times r$ <br> Where $b=$ retention ratio and $r=$ rate of return on investment |
| ********* | 1/ PE ratio $=\mathrm{Ke}$ |



Repeat the same procedure when divided is paid

## Chapter 9 Dividend Decision Page No. 9.2

| Equity Share capital |  |
| :--- | :---: |
| Walter <br> Model | $\mathrm{Di}+(\mathrm{E}-\mathrm{D}) \frac{\mathrm{r}}{\mathrm{ke}}$ |

```
MODEL
Where,
1. }\mp@subsup{D}{1}{}=\mathrm{ Dividend in year 1
2. DO = Dividend in year O (last year
    dividend)
3. EPS = Earnings per share
4. Af = Adjustment factor/ speed of
    adjustment
```

| GRAHM | $P=m(D+E / 3)$ |
| :---: | :---: |
| AND DODD | Where, |
|  | 1. $P=$ Market price per share |
|  | 2. $D=$ Dividend per share 3. $E=$ Earnings per share |
|  | 4. $m=a$ multiplier |
| LINTNER'S | D1 |
|  | $=D 0+[(E P S \times$ target ratio $)-$ DO $\times$ AF |

## Chapter 10 Working Capital Management



## Chapter 10 Working Capital Management

| COST SHEET <br> For calculation of various wc requirement |  |  | Steps in this type of Questions |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Step 1 | Determine the elements of current assets and current liabilities |  |  |  |
| Opening stock of Raw material |  |  |  |  |  |  |  |
| Add: purchase |  |  | Step 2 | Determine the holding period and the units |  |  |  |
| Less Closing Stock |  |  | Step 3 | Determine the rate at which it should be value <br> - Refer table below |  |  |  |
| Raw Material consumed |  | (Used for calculation of RM requirement) |  |  |  |  |  |
|  |  | Step 4 | Find out the amount of each item |  |  |  |
| Add opening WIP |  |  | Step 5 | Ascertain the net working capital considering cash balance, loans and advances etc. |  |  |  |
| Direct manufacturing expense |  |  |  |  |  |  |  |
| Direct wages |  |  | Statement of WC requirement |  |  |  |  |
| Less closing WIP |  |  | Current Assets |  | Lead/lag | Amount | Total |
| Cost of production $\mathrm{cma} . t e \mathrm{WIP}$ requirement) <br> Add opening Stock of FG |  |  | Inventory <br> - Raw Material <br> ( On workin progress l (Y) |  |  |  |  |
| Less Closing stock of FG |  |  | Receivable |  |  |  |  |
| COGS |  |  | (used for calculation of FG) | - Trade debtors <br> - Bills |  |  |  |  |
| Add Admin expense |  |  | Minimum Cash balance |  |  |  |  |
| Add S\&D expense |  |  | Gross Working capital |  |  |  |  |
| Cost of sales |  |  | Current Liabilities: Trade Payables/ bills payable Wages Payables Payables for overheads |  |  |  |  |
| Method 2 <br> Estimating WC requirement through estimation of each individual element |  |  |  |  |  |  |  |
|  |  |  | Excess of Current Assets over Current Liabilities |  |  |  |  |
| What does it signifies | Requirement of WCM for each individual element |  | Add: Safety Margin |  |  |  |  |
|  |  |  | Net Working Capital[III + IV] |  |  |  |  |

## Chapter 10 Working Capital Management

| Raw Materials Inventory: USE RM CONSUMED | $\text { Estimated production in units } \times \text { Estimated cost of RM per unit } \times \frac{\text { RM holding period }}{12 \text { months or } 365 \text { days }}$ |
| :---: | :---: |
| Work-in-Progress Inventory: USE COST OF PRODUCTION | Estimated production in units $\times$ Estimated WIP cost per unit $\times \frac{\text { WIP holding period }}{12 \text { months or } 365 \text { days }}$ |
| Finished Goods: <br> USE COST OF GOODS SOLD | Estimated production in units $\times$ Estimated COGS $\times \frac{\text { FG Holding period }}{12 \text { months or } 365 \text { days }}$ (ex. Depreciation/ unit) |
| Receivables (Debtors): USE COST OF SALES | Estimated credit sales in units $\times$ cost of sales $\quad \times \frac{\text { Average debtor collection period }}{12 \text { months or } 365 \text { days }}$ (ex. depreciation per unit ) |
| Trade Payables: RM PURCHASED | $\text { Estimated production in units } \times \text { RM purchased per unit } \times \frac{\text { Avg. creditor payment period }}{12 \text { months or } 365 \text { days }}$ |
| Direct Wages payable: ANNUAL WAGES PAYABLE | Estimated production in units $\times$ Direct labour cost/ unit $\times \frac{\text { Average time lag in payment }}{12 \text { months or } 365 \text { days of wages }}$ |
| Overheads: <br> ANNUAL OHDS. PAYABLECMa | Estimated production in units $x$ Ohds per unit $x$ Average time lag in payment of ohds. - techyribu. XYZ (OnIIne Stug民months or 365 days |
|  | 360 days may be taken in many cases instead of 365 days in absence of information. However assumption shall be written |


| RATE OF VALUATION UNDER DIFFRRENT APPROACHES |  |  |
| :--- | :--- | :--- |
| Component | Total Approach | Cash cost approach |
| Raw Material | Purchase price net of discount | Purchase price net of discount |
| Work in Progress | Raw material $+50 \%[$ direct labour + direct expenses+ <br> all production overheads] | Raw material $+50 \%[$ direct labour + direct expenses+ all <br> production overheads excluding depreciation] |
| Finished goods | Cost of production | Cost of production- depreciation |
| Debtors | Selling price | SP- profit margin- depreciation |
| Sundry creditors | Purchase price net of discount | Purchase price net of discount |

## Chapter 10 Working Capital Management

| Cash Management Format |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Receipts: | M1 | M2 | M3 | M4 | $M n$ |
| 1. Opening balance |  |  |  |  |  |
| 2. Collection from debtors |  |  |  |  |  |
| 3. Cash sales |  |  |  |  |  |
| 4. Loans from banks |  |  |  |  |  |
| 5. Share capital |  |  |  |  |  |
| 6. Miscellaneous receipts |  |  |  |  |  |
| 7. Other items |  |  |  |  |  |
| Total |  |  |  |  |  |
| Payments: |  |  |  |  |  |
| 1. Payments to creditorsha | a. 4 | ech | Y I |  | XY |
| 2. Wages |  |  |  |  |  |
| 3. Overheads |  |  |  |  |  |
| 4. Interest |  |  |  |  |  |
| 5. Dividend |  |  |  |  |  |
| 6. Corporate tax |  |  |  |  |  |
| 7. Capital expenditure |  |  |  |  |  |
| 8. Other items |  |  |  |  |  |
| Total |  |  |  |  |  |
| Closing balance |  |  |  |  |  |
| [Surplus (+)/Shortfall (-)] |  |  |  |  |  |

These Variety ofQuestions are not generally asked in
exam

Boumol Model

| Boumoul Model | $(2 \mathrm{AT} / \mathrm{H})^{1 / 2}$ <br> A= Annual Cash requirement <br> T= Transaction cost per <br> transaction <br> $\mathrm{H}=$ holding cost in \% |
| :--- | :--- |
| ( Caiculation of Interest $)$ <br> forgone | Op bal +Cl. Bal <br> for$\times$ Interest rate |
| Calculation of Conversion <br> cost | No. of Transaction $\times$ cost per <br> transaction |
| Total cost | Transaction cost + interest cost |

## Chapter 10

Working Capital management - Receivable
Page No. 10.5

## Evaluation of Credit Policy

| Particulars | Present <br> Policy | Proposed <br> Policy I | Proposed Policy II | Proposed Policy III |
| :---: | :---: | :---: | :---: | :---: |
|  | (Rs.) | (Rs.) | (Rs.) | (Rs.) |
| A. Expected Profit: |  |  |  |  |
| (a) Credit Sales |  |  |  |  |
| (b)TotalCostotherthan BadDebts |  |  |  |  |
| (i) Variable Costs |  |  |  |  |
| (ii) Fixed Costs |  |  |  |  |
| (c) Bad Debts |  |  |  |  |
| (d) Cash discount |  |  |  |  |
| (e)ExpectedNetProfit before Tax (a-b-c-d) | cma | . tech | yribu | . XYZ |
| (f) Less: Tax |  |  |  |  |
| (g) Expected EAT |  |  |  |  |
| B. Opportunity Cost of Investments in Receivables locked up in Collection Period |  |  |  |  |
| Net Benefits ( A - B) |  |  |  |  |
| Ranking |  |  |  |  |
|  |  |  |  |  |
| Opportunity cost | $\frac{\text { Total cost of Debtors } \times \text { Interest } \times \mathrm{HP}}{365}$ |  |  |  |

For calculation of opp. Cost take cost of Drs. And not sales unless data of sales in not is given

| Format of Factoring |  |  |
| :---: | :---: | :---: |
| Particulars |  | Amount |
| I | Cost of In-house Debtors Management |  |
| a | Administration cost (avoidable) |  |
| b | Bad Debt |  |
| c | Holding period (Refer note) |  |
|  | Total Cost ( $a+b+\epsilon)$ | XXX |
|  |  |  |
| II | Cost of Factoring |  |
| a | Total Annual Sales |  |
| b | No of Debtors Cycle 360/ Drs holding period |  |
| c | Credit sales/ cycle (a/b) |  |
| ${ }^{\text {d }}$ | Commission (\% of c) |  |
| $e^{\text {e }}$ | Factor reserve (\%of c) |  |
| $f$ | Amount forwarded [ c-d-e] |  |
| 9 | Interest (\% on f) |  |
| h | Total cost per cycle ( $\mathrm{d}+\mathrm{g}$ ) |  |
| i | Total annual cost of Factoring ( $b \times h$ ) | yyy |
|  |  |  |
|  | Total annual cost of Factoring | yyy |
| Less | Total In house management cost | XXX |
|  | Additional cost of factoring | ZZZ |
|  |  |  |
|  | Effective cost of factoring = Additional factoring cost $x$ amount forwarded per cycle $\times 100$ |  |


[^0]:    Q11. Functions of Finance Manager or CFO
    [ May 10, Nov 11]
    [Hint- our index of FM syllabus]

    1. Estimating requirement of the fund
    2. Financial negotiation
    3. Performance evaluation
    4. Capital structure decision
    5. Investment decision
    6. Risk management
    7. Dividend decision
    8. Cash Management
    9. Market impact analysis
[^1]:    Q3. Retained earnings/ explain the term 'Ploughing back of Profits'.
    What do you understand by internal cash accruals

