

# CTM

CERTIFICATE IN INTEGRATED  
TREASURY MANAGEMENT

## Syllabus

### Module I: Treasury Management in Corporates

- Role of Corporate Treasury & Position in Corporate Structure
- Structure of Corporate Treasury (Centralized and Decentralized)
- Treasury Visions, Strategies and Execution
- Ethics in Treasury Management
- Today's Strategic Corporate Treasurer
- Relationship Management (all stakeholders in ecosystem such as investors, bond holders, rating agencies etc.)
- Building and Developing Treasury Teams

### Module II: Working Capital, Cash and Liquidity Management

- Introduction to working capital management (Short term financial ratios)
- Business Cycle forecasting
- Cash flow forecasting models, policies, procedures & controls & Cash Concentration
- Bank Payments and collection
- Bank Float management and improving fund efficiency
- Avenues for short term investments
- Financing options
- Financial Supply Chain
- Interest rate and working capital
- Receivable and Payable Management

### Module III: Capital Structure Decisions and Corporate Finance

- Sources of Capital
- Comparison between onshore vs. offshore raising of debt
- Dividend Policy
- Long term resource mobilization
- Strategic Investments, Mergers and Acquisitions

#### **Module IV: Financial Markets**

- Structure and History of Global v/s Indian Debt Market
- Role of RBI & Monetary Policies
- Indian Capital Market scenario
- Functioning of Debt Market
- Government Securities Market
- India Debt Market Structure – Instruments and Players
- Corporate Bond Markets
- Money market and Money market instruments
- Equity Markets
- Understanding the Money Market and Various Prevalent Rates- MCLR, Base Rate, etc.

#### **Module V: Fixed Income Portfolio Management**

- Macro Economic Factors affecting Bond market
- Time value of money and interest rate calculations
- Bond mathematics & Pricing
- Yield Curve
- Duration, Convexity
- Valuation of fixed income securities
- Bond Investment risks
- Concept of YTM and reinvestment
- Brief Exposure to Trading in Fixed Income Markets

#### **Module VI: Foreign Exchange Management**

- Historical Background
- The FX market today (Macro Economic Linkage)
- The Economics of exchange rates and international trades
- Nature of Foreign Exchange risk
- FX Spot market
- Spot FX Quoting convention, Bid-Ask spread
- Economic Intervention
- What is Currency risk?
- Risk involved in Foreign Exchange Market
- How interest rate risk and currency risk interrelated
- Interest Rate Parity
- Purchasing Power Parity
- Basis Risk
- Hedging Options
- FX Swaps (Spot and Cross Currency)
- Hedge Accounting
- Fx Forwards, Futures and Options
- Timing, Settlement, Market Jargon

## **Module VI: Technical Analysis for Foreign Exchange**

- Introduction
- What is Technical Analysis?
- Technical analysis in FX
- Methods of Technical analysis
- Technical analysis today

## **Module VII: Treasury Risk Management**

- Types of Risk faced by treasuries (Interest Rate risk)
- Asset Liability Management
- Types of Financial Risk
- Types of Non-Financial Risk
- How to mitigate financial and non-financial risks faced by treasuries

## **Module VIII: Treasury Operations and Control**

- Treasury Systems and Internal Control
- Role of information technology
- How to mitigate Operational Risk through treasury systems
- Prudential Norms, Investment Policies and investment process
- Ethics and Accountability
- New Developments

## **Module IX: Bank Treasury Management**

- Treasury structure- Front office, Middle office and Back office
- Treasury Dealing Room
- Treasury as Profit Centre
- Money market operations
- Code of Conduct for Treasury dealers
- Bank Balance Sheet Risk Management
- ALM & Liquidity Risk Management
- Bank Capital Management
- Interest rate management/NII and NIM
- Basel III Capital and Liquidity Rules

## **Module X: Market Risk Management for Banks**

- What is Credit Risk and How to analyze it?
- Credit Rating Process
- Credit Default Swap
- Credit Risk in terms of concurrent exposure
- GAP Management (ALM)
- Interest rate risk management
- Volatility Risk Management (Introduction to VaR Concept)

## **Module XI: Regulations, Accounting and Auditing**

- Treasury Governing Policies, Prudential Norms-RBI Master Circulars for Banks
  - Terms of Reference for Investment Approval Committee (IAC)
  - Regulatory provisions affecting capital structure decisions
  - ALM & Hedge Accounting (IFRS 9)
  - Relevant IFRS Provisions
  - Regulatory environment in FX market and Role of RBI
  - List of master circulars of RBI & FEDAI and FIMMDA
  - On internet dealing and Risk Management
  - Comprehensive Derivative guide lines
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