



## Diploma in Treasury, Investment and Risk Management

**Rules & Syllabus 2017**

(OLD SYLLABUS)

### OBJECTIVE

With the advent of market oriented approach to banking, globalization, financial sector reforms and competition in the financial sector, finance / banking professional face the challenge to continuously innovate and improve their products and services. This calls for excellence in the performance and specialization. One of the areas which is crucial to banks performance and profits is Treasury, which Bank has to educate and train a number of staff. The Institute has therefore introduced the Diploma & Treasury, Investment and Risk Management to help the staff of financial institutions to acquire the required competence.

This diploma is designed in collaboration with FIMMDA to enable the candidate to acquire advanced knowledge in the field of Treasury and Risk Management.

After passing this diploma examination, the candidate will be in a position :

- (i) To understand and appreciate the instruments and intricacies of operation in the money market, capital market and foreign exchange market including risk management.
- (ii) To acquire proficiency in management of funds in relation to short-term, medium term and long term investment operations with liquidity / maturity planning.
- (iii) To manage foreign exchange (front and back offices) in the context of regulatory framework and recent liberalization and autonomy given to banks.
- (iv) To acquire skills for Asset Liability Management in the context of risk, control and hedging operations.

### ABOUT FIXED INCOME MONEY & DERIVATIVES ASSOCIATION OF INDIA (FIMMDA)

The Fixed Income Money Market and Derivatives Association of India commonly known as FIMMDA was incorporated on June 3, 1998 as a Company under the Indian Companies Act, 1956.

It is a 90 member strong representative body for the bond, money and derivatives markets players in India. Its membership includes the State Bank of India, its Associate Banks, all Nationalised Banks, Indian Financial Institutions, Primary Dealers and Life Insurance Corporation of India.

FIMMDA as a voluntary association of banks, financial institutions and primary Dealers, has been working on the following areas, since its inception :

- Standardisation of market practices
- Introduction of securities benchmarks as required by the financial markets
- Valuation of securities on a regular basis
- Interaction with market regulators on all pertinent issues
- Training programmes and certification for the benefit of members

In order to effectively discharge its role, FIMMDA has established several working groups / committees in areas of Market Practices, Legal Practices, Accounting

Practices, Primary Markets, Infrastructure, Product Development, Education & Training, Risk Management and Valuation. Each of these committees is headed by a Director on the Board of FIMMDA and constitutes eight to ten experts from related fields from member organizations.

FIMMDA has been instrumental in organizing a number of conferences / seminars on subjects of topical interest to members, such as Negotiated Dealing System, Guaranteed Trade Settlement, Real Time Gross Settlement ISDA Documentation, Monetary Policy implications, etc. FIMMDA plays a pivotal role in lobbying for issues with various Government bodies concerning sustained growth of the financial markets and its players.

The details of the examination in Diploma & Treasury, Investment and Risk Management are as under :

### ELIGIBILITY

(i) Members of the Institute

OR

(ii) Person intending to develop a career in financial service industry, though they may not be members of the Institute.

### SUBJECT OF EXAMINATION

(1) Financial Markets-an Overview (2) Treasury Management (3) Risk Management

### EXAMINATION FEES / REGISTRATION FEES

	For Members	For Non-Members
Subsequent each attempt	₹2,000/- *	₹2,000/- *

\* Plus Service Tax as applicable (Reg. No. AAATT3309DSD002)

### MEDIUM OF EXAMINATION

Examination will be conducted in English only.

### PATTERN OF EXAMINATION

(i) Each Question Paper will contain approximately 100 objective type multiple choice questions carrying 100 marks including questions based on case study / case lets. The Institute may, however, vary the number of questions to be asked for a subject. There will NOT be negative marking for wrong answers.

(ii) Questions for the examination will be asked for : (a) Knowledge testing (b) Conceptual grasp (c) Analytical / logical exposition (d) Problem solving (e) Case analysis

(iii) Examination will be held in **Online Mode** only.

### DURATION OF EXAMINATION

The duration of the examination will be of two hours.

### PERIODICITY AND EXAMINATION CENTRES

(i) The examination will be conducted normally twice a year in May / June and November / December on Sundays.

(ii) Examination **will be conducted on three consecutive Sundays** (one paper on each Sunday).

### EXEMPTION

Candidates, who have passed the Certified Treasury Dealer Course would be exempted from appearing in the 2nd paper on Treasury Management of the DTIRM

Examination. Candidates those who are eligible for exemption as per the above criteria are required to send a separate request for granting exemption in the subject along with 1) Copy of the TRANSACTION DETAILS received by him / her through e-mail from IIBF while applying for the DTIRM examination online 2) Copy of the Result Advice / Final certificate of the Certified Treasury Dealer Course passed to the respective Zonal Office of the Institute immediately after applying for the DTIRM examination so as to reach the Zonal Office on or before the last date for applying for examination. Zonal Office of the Institute will scrutinize the same, if found in order will communicate to the candidate granting of exemption.

### **PASSING CRITERIA**

- (i) Pass : Minimum marks for pass in every subject - 50 out of 100 marks.
- (ii) **Candidate securing at least 45 marks in each subject with an aggregate of 50% marks in all subjects of examination in a single attempt will also be declared as having completed the Examination.**
- (iii) Candidates will be allowed to retain credits for the subject/s they have passed in one attempt till the expiry of the time limit for passing the examination as mentioned below :

### **TIME LIMIT FOR PASSING THE EXAMINATION**

- (i) Candidates will be required to pass the examination within a time limit of 2 years (i.e. 4 consecutive attempts). Initially a candidate will have to pay examination fee for 1st block of one year i.e. for two attempts. In case a candidate is not able to pass examination within the 1st block of one year, candidate should necessarily submit the examination application form for subsequent attempt, without any gap on payment of requisite examination fee. If they do not submit the examination form immediately after exhausting the first block, the examination conducted will be counted as attempt for the purpose of time limit for passing.
- (ii) Candidates not able to pass examination within the stipulated time period of two years are required to re-enroll themselves afresh by submitting a fresh Examination Application Form. Such candidates will not be granted credit/s for subject/s passed, if any, earlier.
- (iii) Attempts will be counted from the date of application irrespective of whether a candidate appears at any examination or otherwise.

### **“CLASS OF PASS” CRITERIA**

- 1) The Institute will consider the FIRST PHYSICAL ATTEMPT of the candidate at the examination as first attempt for awarding class. In other words, the candidate should not have attempted any of the subject/s pertaining to the concerned examination any time in the past and has to pass all the subjects as per the passing criteria and secure prescribed marks for awarding class. Candidate re-enrolling for the examination after exhausting all permissible attempts as per the time limit rule will not be considered for awarding class.
- 2) First Class : 60% or more marks in aggregate and pass in all the subjects in the FIRST PHYSICAL ATTEMPT.
- 3) First Class with Distinction : 70% or more marks in aggregate and 60 or more marks in each subject in the FIRST PHYSICAL ATTEMPT.

Institute has completely revised and restructured the syllabus of this Examination to make it contemporary No new candidate for the old syllabus will be enrolled effective from May 2017. New candidates necessarily need to enrol for revised syllabus only.

## For Candidates already enrolled for above Diploma examinations under old syllabus:

- The Institute will conduct the examinations both under the old and revised syllabus
- Candidates already enrolled for old syllabus will be permitted to attempt examinations under the old syllabus till their permissible number of attempts (4) are over.
- Candidates can however move to the Revised Syllabus even before availing all four (4) permissible consecutive attempts.
- Candidates will not get credit for subject/s passed, if any, under the old syllabus for the examination under revised syllabus as the revised course has been completely revamped and re-structured.
- Fees paid for the old syllabus examination will not be refunded to candidates who switch over to the revised syllabus. They need to pay the fee for the examination under revised syllabus as per rules.
- The last Examination under the old syllabus will be held in July 2018. (this will enable all candidates who are currently enrolled for examination under old syllabus to avail permissible 4 attempts)

It is recommended that candidates who had enrolled for this Diploma Examinations and have completed two attempts in the examination without passing any paper so far may consider applying under the revised syllabus instead of enrolling for 2nd block of 2 attempts under the old syllabus.

### STUDY MATERIAL

The Institute has developed a courseware to cover the syllabus. Candidates are advised to make full use of the courseware and also the updates put on the IIBF website from time to time. However, as banking and finance fields are dynamic, rules and regulations witness rapid changes. Hence, candidates should keep themselves updated on latest developments by going through Master Circulars issued by RBI, visiting the websites of organizations like RBI, SEBI, BIS etc.

The Institute has published study books to facilitate study and they will be available at outlets / showrooms / distributors of M/s.Taxmann Publication Pvt. Ltd. The price of each book and detailed list of outlets is mentioned below.

Candidates may purchase directly from outlets / showrooms / distributors of the above.

Candidates who purchase books directly from outlets of publishers will be offered a discount of 20% on the cost price of the book. Candidates desirous of purchasing books by post will not be offered any discount. However, the postage will be borne by publishers. Candidates would be required to send their indent to publishers' outlet along with a Demand Draft for the cost of book/s. The Demand Draft should be drawn in favour of M/s.Taxmann Publication Pvt. Ltd. **(No cheques will be accepted). Candidates are requested not to send any request for the purchase of books to the Institute's Zonal Offices / Corporate Office.**

Name of the Book	Price
Theory and Practice of Treasury & Risk Management in Bank, 2009	₹360/-

## ADDRESSES OF TAXMANN PUBLICATION PVT. LTD.

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Cell : 9909984900  
E-mail: bdurgaprasad@taxmann.com

## ONLINE TUTORIAL / CONTACT PROGRAMMES

- Total 150 hours of e-learning specially designed for the course.

In order to enhance the practical utility of the course to be bankers the Institute has tied up with KESDEE Inc. a leading e-learning and reference solutions provider for the global finance professionals located in USA to offer 8 e-learning courses / calculators as part of the Diploma examination. The following are the calculators / courses :

- (i) Financial Mathematics
- (ii) Futures & Forwards
- (iii) Swaps
- (iv) Options
- (v) Money Markets
- (vi) Fixed Income Markets
- (vii) Foreign Exchange Markets
- (viii) Treasury Analytics

KESDEE will host the e-learning materials in its website with a separate window for the institute. Candidates will be given a separate login id & password with 150 hours or six months whichever is earlier for browsing the above courses through internet.

- Need based Lectures / Tutorial / Contact programmes will be organized by the Institute / accredited Institutions. For further details candidates may get in touch with Zonal Office or logon to the Institute's website **[www.iibf.org.in](http://www.iibf.org.in)**.

## SYLLABUS

The details of the prescribed syllabus which is indicative are furnished below. However, keeping in view the professional nature of examinations, all matters falling within the realm of the subject concerned will have to be studied by the candidate as questions can be asked on all relevant matters under the subject. Candidates appearing for the Examination should particularly prepare themselves for answering questions that may be asked on the latest developments taking place under the various subjects of the said examination although those topics may not have been specifically included in the syllabus. The Institute also reserves to itself the right to vary the syllabus / rules / fee structure from time to time. Any alterations made will be notified from time to time. Further, questions based on current developments in banking and finance may be asked.

Candidates are advised to refer to financial news papers / periodicals more particularly "IIBF VISION" and "BANK QUEST" published by the Institute.

# SYLLABUS

## DIPLOMA IN TREASURY, INVESTMENT AND RISK MANAGEMENT

### PAPER - I : FINANCIAL MARKETS: AN OVERVIEW

#### A) Money Market

- Need for the market
- Participants
- Instruments of Money Market, their characteristics, Direct / Indirect Instruments
- Repurchase Agreements (REPOS)
- Types of interest rate quotations

#### B) Fixed Income Securities - Bonds - valuation - Govt. Securities

#### C) Capital Markets [as it pertains to Bonds, etc.]

- Broad Trends
- Primary & Secondary market
- Regulations of the capital market
- Principles of valuation
- Settlements of Transactions
- GDRs / ADRs
- Brief outline of Equity Market

#### D) Foreign Exchange Markets

- Foreign markets
- Role of banks in the market
- Spot and Forward mechanism, Swap, outright deals and dealer operations / other deals
- Premium and discount
- New Instruments

#### E) Brief Outline on Derivative Markets

- Futures, options, swaps
- Annexure - Price calculation of various instruments

### PAPER - II : TREASURY MANAGEMENT

#### A) Treasury

- i) Objectives of Treasury
- ii) Structure and Organization

- iii) Functions of a Treasurer
- iv) Responsibility of a Treasurer

## **B) Cost Centre / Profit Centre, Integrated Treasury, Planning & Control, Risk Analysis**

### **C) Liquidity Management - CRR / CCIL / RTGS**

- Objectives, Sources and deployment
- Internet control, Netting

### **D) Implications of Treasury on International Banking**

- Global scenario & treasury operation
- Exchange rate mechanism
- Structure : Front, Back & Mid office
- Dealing and trading operations : Control and orderly conduct, moral and ethical codes, checks of balances
- Revaluation : Mark to market and profit calculations, VaR (Value at Risk)

### **E) Regulation, Supervision and Compliance of Treasury Functions**

- Internal & External Audit
- Role of Reserve Bank of India

### **F) Integrated Treasury**

### **G) Bond Dynamics**

### **H) Role of Information Technology in treasury management and Bond Dynamics**

### **I) Accounting Valuation and Elimination of Exposures**

## **PAPER - III : RISK MANAGEMENT**

### **A) Risk : Definition**

- Risk Process - Risk Organization
- Key Risks - Interest Rate Risk, Market Risk, Currency Risk, Credit Risk, Liquidity Risk, Legal and operational Risk

### **B) Risk Measurement and Control**

- Calculation
- Risk Exposure Analysis
- Risk Management / Mitigation policy
- Risk Immunization Policy / Strategy fixing exposure limits



- Delegation with accountability
  - i) Open position
  - ii) Asset position limit
  - iii) Deal size
  - iv) Individual dealer's limit
  - v) Stop loss limits

### **C) Asset Liability Management**

- Components: Multi currency balance sheet
- Organizational Structure
- Risk Management policy & procedure
- Risk adjusted return on capital
- Capital adequacy norms
- ALCO techniques / tools - GAP Analysis
- Simulation, Duration Analysis, Linear and other statistical methods of Internal Control

### **D) Risk Hedging Instruments & Mechanism :**

Forward, Futures, options Strategies and Arbitrage opportunities

### **E) Challenges of BASLE-II :**

Implications to hedge and position through derivative products

### **F) Role of Mid Office / Risk Management Dept :**

Operational clarity and documentation and monitoring

### **G) System Audit significance in risk managemen / mitigations**

## CONTACT DETAILS :

Register your queries through website [www.iibf.org.in](http://www.iibf.org.in) > Members / Candidates Support

Services (Help)

or

Email all your queries to [care@iibf.org.in](mailto:care@iibf.org.in)

### Member Support Service Office :

Indian Institute of Banking & Finance

191-F, Maker Towers, 19th Floor,

Cuffe Parade, Mumbai - 400 005

Tel. : 022-2218 3302 / 2218 5134

### For training / contact classes related queries contact :

Leadership Centre

Indian Institute of Banking & Finance

Kohinoor City, Commercial-II, Tower-I, 3rd Floor,

Kirol Road, Off L.B.S.Marg, Kurla West, Mumbai 400 070.

Tel. : 022 25039746 / 9604 / 9907

E-mail : [training@iibf.org.in](mailto:training@iibf.org.in)

## PROFESSIONAL DEVELOPMENT CENTRES :

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