



## Diploma in Treasury, Investment & Risk Management

### Rules & Syllabus 2017 (REVISED 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 are 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. 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:**

Applicant should be graduate of a recognized university

#### **SUBJECTS OF EXAMINATION:**

- I. Investment and Treasury Management
- II. Risk Management

#### **PASSING CRITERIA:**

1. Minimum marks for pass in the subject is 50 out of 100.
2. Candidates 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.
3. Candidates will be allowed to retain credits for the subject they have passed in a attempt till the expiry of the time limit for passing the examination as mentioned below:

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

1. 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 a block of one year (First block) i.e. for two attempts. In case if a candidate is not able to pass the examination within a time limit of one year, he can appear for a further period of one year (Second block) i.e. two attempts on payment of requisite fee.
2. Candidates not able to pass examination within stipulated time period of two years are required to re-enroll themselves afresh. Such candidates will not be granted credit/s for subject/s passed, if any, earlier.
3. Time limit of 2 years will start from the date of application for First block. Attempts will be counted irrespective of whether a candidate appears at any examination or otherwise.

#### **EXAMINATION FEES\* :**

	<b>For Members</b>	<b>For Non-Members</b>
First two attempts	₹17,000/- *	₹20,500/- *
Subsequent two 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) Question Paper will contain 100 objective type multiple choice questions for 100 marks including questions based on case studies / case lets. The Institute may however vary the number of questions to be asked for a subject
- (ii) The examination will be held in Online Mode only
- (iii) There will NOT be negative marking for wrong answers.

### **DURATION OF EXAMINATION:**

The duration of the examination will be of 2 hours.

### **PERIODICITY AND EXAMINATION CENTRES:**

- a) Examination will be conducted on pre-announced dates published on IIBF Web Site. Institute conducts examination on half yearly basis, however periodicity of the examination may be changed depending upon the requirement of banking industry.
- b) List of Examination centers will be available on the website. (Institute will conduct examination in those centers where there are 20 or more candidates.)

### **“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 subject as per the passing criteria and secure prescribed marks for awarding class. Candidates 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.

### **PROCEDURE FOR APPLYING FOR EXAMINATION**

Application for examination should be registered online from the Institute's website [www.iibf.org.in](http://www.iibf.org.in). The schedule of examination and dates for registration will be published on IIBF website.

### **PROOF OF IDENTITY**

Non-members applying for Institute's examinations / courses are required to attach / submit a copy of any one of the following documents containing Name, Photo and Signature at the time of registration of Examination Application. Application without the same shall be liable to be rejected.

- 1) Photo I / Card issued by Employer or 2) PAN Card or 3) Driving Licence or 4) Election Voter's I / Card or 5) Passport 6) Aadhaar Card

### **STUDY MATERIAL / COURSEWARE**

The Institute has developed a courseware to cover the syllabus. The courseware (book) for the subject/s will be available at outlets of publisher/s. Please visit IIBF website [www.iibf.org.in](http://www.iibf.org.in) under the menu "Exam Related" for details of book/s and address of publisher/s outlets. Candidates are advised to make full use of the courseware. However, as banking and finance fields are dynamic, rules and regulations witness rapid changes. Therefore, the courseware should not be considered as the only source of information while preparing for the examinations. Candidates are advised to go through the updates put on the IIBF website from time to time and go through Master Circulars / Master Directions issued by RBI and

publications of IIBF like IIBF Vision, Bank Quest, etc. All these sources are important from the examination point of view. Candidates are also to visit the websites of organizations like RBI, SEBI, BIS, IRDAI, FEDAI etc. besides going through other books & publications covering the subject / exam concerned etc. Questions based on current developments relating to the subject / exam may also be asked.

### Cut-off Date of Guidelines / Important Developments for Examinations

The Institute has a practice of asking questions in each exam about the recent developments / guidelines issued by the regulator(s) in order to test if the candidates keep themselves abreast of the current developments. However, there could be changes in the developments / guidelines from the date the question papers are prepared and the dates of the actual examinations.

In order to address these issues effectively, it has been decided that:

- (i) In respect of the examinations to be conducted by the Institute for the period February to July of a calendar year, instructions / guidelines issued by the regulator(s) and important developments in banking and finance up to 31st December will only be considered for the purpose of inclusion in the question papers".
- (ii) In respect of the examinations to be conducted by the Institute for the period August to January of a calendar year, instructions / guidelines issued by the regulator(s) and important developments in banking and finance up to 30th June will only be considered for the purpose of inclusion in the question papers.

The table given below further clarifies the situation.

Particulars	Cut-off Date of Guidelines / Important Developments for Examination/s
For the examinations to be conducted by the Institute for the period February 2017 to July 2017	31st December 2016
For the examinations to be conducted by the Institute for the period August 2017 to January 2018	30th June 2017

### TUTORIAL / CONTACT PROGRAMMES

Tutorial / Contact programmes may be organized by the Institute at various centres. For details in this regard candidates may visit Institute's website [www.iibf.org.in](http://www.iibf.org.in).

### SYLLABUS :

The details of the prescribed syllabus which is indicative are furnished in the booklet. 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 subject/s 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.

# PAPER-I : INVESTMENT & TREASURY MANAGEMENT

## Chapter 1 Financial Markets

- i. An overview of markets and functions
- ii. Classification of financial markets
  - Capital market
  - Money market
  - Foreign exchange markets
  - Insurance markets
  - Mutual funds
  - Commodities market
- iii. Role of the Emerging Markets: BRICS
- iv. Roles and functions of participants in the financial market
  - Banks
  - Primary dealers
  - Financial institutions
  - Stock exchanges
  - Brokers;
  - Investment bankers
  - Foreign institutional investors
  - Custodians
  - Depositories

## Chapter 2 Money Market

- i. Introduction
- ii. Need for the market
- iii. Participants in the money market
  - Central Govt; State Govt
  - Public sector undertakings
  - Scheduled Commercial banks
  - Private sector companies
  - Provident funds
  - General Insurance companies
  - Life insurance companies
  - Mutual fund; NBFCs
  - Primary Dealers
- iv. Money market- instruments
  - Call money / notice money
  - Term money
  - Certificate of deposits
  - Commercial papers
  - Bills rediscounting scheme
  - Inter-bank participation certificates
  - Collateralised borrowing and lending obligation
  - Treasury bills
  - Repurchase agreements

### **Chapter 3 Capital Markets**

- i. Introduction
- ii. Equity shares
- iii. Preference shares
- iv. External commercial borrowings
- v. Global Depository Receipts
- vi. American Depository Receipts
- vii. Indian Depository Receipts
- viii. When Issued Securities
- ix. Credit Linked Notes

### **Chapter 4 Foreign Exchange Markets**

- i. Introduction
- ii. Definition and exchange rates quotations
- iii. Factors influencing exchange rates
- iv. Role of banks in the Indian forex market
- v. Relationship with money market operations
- vi. International Financial Institutions – an overview
- vii. Correspondent Banking and NRI Accounts
- viii. Risks in Foreign Trade
- ix. Role of Exim Bank, RBI and FEDAI
- x. FEDAI guidelines and Forex valuation
- xi. Effects of revaluation
- xii. Registered Foreign Portfolio investors

### **Chapter 5 Debt Markets and Fixed Income Securities**

- i. Introduction
- ii. Terminologies
- iii. Types of bonds
- iv. Govt of India securities
- v. State development loans
- vi. Other approved securities
- vii. Non SLR securities
- viii. Public Sector Undertakings' (PSU) Bonds
- ix. Corporate debentures
- x. Bonds and debentures
- xi. Some other aspects of fixed income securities
- xii. Bond Dynamics
  - Discounted cash flow
  - Time value of Money
  - Accounting
  - Valuation

### **Chapter 6 Interest Rate Quotations and Market Terminology**

- i. Introduction
- ii. Fixed and floating rate of interest
- iii. Simple and compound rate of interest

- iv. Yield
- v. Premium and discount
- vi. Front end and rear end
- vii. Day count conventions

## **Chapter 7 Derivatives**

- i. Introduction
- ii. Characteristics
- iii. Users of derivatives
- iv. Futures
- v. Futures Contract
- vi. Currency futures
- vii. Bond futures
- viii. Stock Index futures
- ix. Pricing financial futures
- x. Forward Contract
- xi. Forward Rate Agreement
- xii. Introduction
- xiii. Market Conventions
- xiv. Pricing
- xv. Swaps
- xvi. Interest Rate Swap
- xvii. Currency Swap
- xviii. Pricing Interest Rate Swap
- xix. Types of IRS
- xx. RBI guidelines
- xxi. Options
- xxii. Terminology
- xxiii. Types of Options
- xxiv. Pricing Models
- xxv. Forex Derivatives

## **Chapter 8 Treasury Management**

- i. Introduction
- ii. Sources of profit for Treasury
- iii. Global Scenario
- iv. RBI Measures
- v. Scope and functions of treasury management
- vi. Nature of Treasury Assets and Liabilities
- vii. Objectives of treasury
- viii. Organisational Structure
- ix. Integrated Treasury: Cost Centre and Profit Centre.
- x. Functions
- xi. Benefits

## **Chapter 9 Liquidity Management**

- i. Objectives, Sources and Deployment
- ii. CRR
- iii. SLR
- iv. CCIL: Netting / Elimination of Exposures
- v. RTGS

## **Chapter 10 Risk Analysis and Control**

- i. Interest Rate Risk:
- ii. Investment / Trading Book
- iii. Value at Risk
- iv. Forex (Market) Risk

## **Chapter 11 Front Office / Mid Office / Back Office**

- i. Front Office
- ii. Dealing functions
- iii. Mid Office
  - a. Operational Clarity
  - b. Documentation
  - c. Monitoring
- iv. Back office operations
- v. Settlement of transactions
- vi. Investment accounting and investment controls

## **Chapter 12 Regulations, Supervision and Compliance of Treasury Operations**

- RBI guidelines
- Extracts from FIMMDA handbook

## **Chapter 13 Role of Information Technology in Treasury Management**

- i. Negotiated Dealing System
- ii. Other Trading Platforms / Systems
- iii. Straight Through Processing (STP)
- iv. Settlement, Custody and Others
  - Annexure 1 Price calculations – treasury bills
  - Annexure 2 Price calculations – forex treasury
  - Annexure 3 Market practices
  - Annexure 4 Treasury Terminology

## **Paper-II : RISK MANAGEMENT**

### **Chapter 1 Introduction to Risk Management**

- Background
- Types of Risks

### **Chapter 2 Risk Management Process**

- Sources of Risk
- Risk Indicators
- Process
- Controlling Risk



### Chapter 3 Setting up a Risk Organisation

- Process
- Some misconceptions
- Comprehensive view

### Chapter 4 Assets Liabilities Management

- Concepts
- Framework of the policy
- ALCO

### Chapter 5 Some Important Concepts

- Risk exposure analysis
- Open Position
- Duration
- Modified Duration
- Convexity
- RAROC
- Auditing Risk Management

### Chapter 6 Understanding Basel Accord and its Implications

- Basel II
- BASEL III

## IMPORTANT RULES / INFORMATION FOR CANDIDATES

### 1. ADMIT LETTER OF EXAMINATIONS :

- a. Admit letter to all eligible candidates will be emailed to the candidates in their email id registered with the Institute, 10 days before the examination date.
- b. Admit letter of all eligible candidates will be hosted on Institute's website [www.iibf.org.in](http://www.iibf.org.in) under the menu 'Exam Related', 1 week before the examination date.
- c. For downloading and printing of admit letter from the above mentioned website, candidates will have to enter the following:
  - i. Membership or registration number as **login id**
  - ii. **Edit profile password.**
  - iii. If candidates do not remember their Edit profile password, they have to click on the 'Forgot password / Get Password' button after entering the Membership or Registration number. On clicking fresh edit profile password will be sent to their registered email id.
- d. Candidates are required to **produce printed copy of admit letter** along with Membership identity card or any other valid photo ID card (Aadhaar card / Employer's card / PAN Card / Driving License / Election voter's card / Passport etc.) at the examination venue.
- e. **In the absence of printed copy of Admit Letter and Photo Identity Card, candidates will be denied permission to write Examination.**

### 2. Mobile Phones

- a. Mobile phones and other electronic / smart gadgets (except calculator as permissible) are not allowed in the examination hall. It is clarified that mere possession of mobile phone and other electronic / smart

gadgets in the examination hall whether in switch off mode or silent mode shall also be deemed to be resorting to adoption of unfair means in the examination.

### **3. Use of calculator**

- a. Candidates will be allowed to use battery operated portable calculator in the examination. The calculator can be of any type up to 6 functions, 12 digits.
- b. Attempt to use any other type of calculator not complying with the specifications indicated above or having more features than mentioned above shall tantamount to use of unfair means. Scientific calculator is not allowed.

### **4. Other Rules / Information**

- a. Candidates should ensure that they sign the Attendance Sheet.
- b. Candidates are advised to reach the Examination Venue at least 30 minutes before commencement of the examination.
- c. No candidate will be permitted to enter the Examination Venue / hall after expiry of 15 minutes and to leave the hall in the first 30 minutes from the scheduled commencement of the examination.
- d. Candidates would be able to login to the system only with the password mentioned in this Admit Letter. This password should not be disclosed to others. Keep it safe to avoid the possible misuse.
- e. If the examination could not commence on scheduled time or there is delay due to Failure of power, Technical snag of whatsoever nature or for any such reason having bearing upon the conduct of examination; candidates have to :-
  - i. Wait till resumption of power supply / solving of technical snag.
  - ii. Take-up the examination at other venue arranged by the examination conducting authority.
  - iii. Follow instructions given by the examination conducting authority.
- f. Candidates are required to strictly follow all the instructions given by the examination conducting authority during the examination and adhere to Rules of the examination.
- g. Violation of any of the Rules / Instructions, misuse of the Admit Letter will be considered to be an act of serious misconduct and the Institute will take action as per the Rules of the examination, which will also be reported to the employer of the candidate.

### **5. Rules, Penalties for Misconduct / Unfair Practices :**

- a. Communication of any sort between candidates or with outsiders is not permitted and complete silence should be maintained during the examination.
- b. Copying answers from other candidates / other printed / Electronic material or permitting others to copy or consultation of any kind will attract the rules relating to unfair practices in the examination.
- c. No candidate shall impersonate others or allow others to impersonate himself / herself at the examination.
- d. No candidate shall misbehave / argue with the Examination Conducting Authorities at the centre.

- e. Candidates have to compulsorily return any papers given including that given for rough work to invigilator.
- f. Candidates should not possess and / or use books, notes, periodicals, etc. in the examination hall at the time of examination / or use mathematical tables, slide rules, stencils etc. during the examination.

If any candidate violates any of the above rules, it will be considered to be an act of misconduct and he/she will be liable for punishment.

**PLEASE REFER INSTITUTE'S WEBSITE UNDER THE MENU "EXAM RELATED" FOR DETAILS OF DEBARMENT PERIOD FOR UNFAIR PRACTICES ADOPTED BY CANDIDATES DURING CONDUCT OF INSTITUTE'S EXAMINATIONS.**

**6. Result Advice / Consolidated Marksheet / Final Certificate**

- a. Result Advice of candidates will be hosted on Institute's website on declaration of result, which can be downloaded by the candidates.
- b. Consolidated mark sheet for candidates completing examination having more than one subject, will be available on the Institute's website after the declaration of results. Candidates can download the same after entering login credentials using their membership number and edit profile password.
- c. Final certificates will be sent by speed post within 2 months after the declaration of result.

## 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 :

South Zone	North Zone	East Zone
Indian Institute of Banking & Finance No. 94, Jawaharlal Nehru Road, (100 Feet Road), Opp. Hotel Ambica Empire, Vadapalani, Chennai – 600 026. Tel. : 044-2472 2990 / 2472 7961 E-mail : <a href="mailto:iibfsz@iibf.org.in">iibfsz@iibf.org.in</a>	Indian Institute of Banking & Finance 102-113, Vikrant Towers, 1st Floor, 4 Rajendra Place, New Delhi – 110 008. Tel. : 011-2575 2191 / 92 E-mail : <a href="mailto:iibfnz@iibf.org.in">iibfnz@iibf.org.in</a>	Indian Institute of Banking & Finance Hindusthan Building (Annexe), 7th Floor, 4, C. R. Avenue, Kolkatta – 700 072. Tel. : 033-2212 4992 E-mail : <a href="mailto:iibfez@iibf.org.in">iibfez@iibf.org.in</a>

**Corporate Office :** Indian Institute of Banking & Finance, Kohinoor City, Commercial-II, Tower-1, 2nd Floor, Kirol Road, Kurla (West), Mumbai - 400 070

Tel. : 022-2503 9746 / 9604 / 9907