



## CERTIFICATE EXAMINATION IN QUANTITATIVE METHODS FOR BANKING & FINANCE

### Rules & Syllabus 2015

#### OBJECTIVE

To explain various quantitative methods (concepts and principles) in a very simple manner with examples from banking in order to highlight their relevance.

#### ELIGIBILITY

Any graduate of a recognized university will be eligible for admission.

#### EXAMINATION FEES / REGISTRATION FEES

	For Members	For Non-Members
First attempt	₹1,000/- *	₹1,500/- *
Subsequent each attempt	₹1,000/- *	₹1,500/- *

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

#### MEDIUM OF EXAMINATION

Examination will be conducted in English only.

#### PATTERN OF EXAMINATION

Question Paper will contain approximately 120 objective type multiple choice questions, carrying 100 marks including questions based on case study / case lets.

#### DURATION OF EXAMINATION

Examination will be of two hours duration.

#### PERIODICITY AND EXAMINATION CENTRES

- (i) The examination will be conducted normally twice a year in June and December on a Sunday.

- (ii) The examination will be held in online mode only. A list of examination centre will be provided in the online examination application form.

## **PASSING CRITERIA**

The candidate has to secure 50% or more marks in the examination to pass, i.e. 50 marks out of 100.

## **PROCEDURE FOR APPLYING FOR EXAMINATION**

Application for examination should be made online from the Institute's website **www.iibf.org.in**. No physical form will be accepted by the Institute with effect from 1<sup>st</sup> January, 2013.

## **PROOF OF IDENTITY**

Non-members applying for Institute's exams / courses are required to submit a copy of any one of the following documents along with Examination Application Form. Forms without the same shall be liable to be rejected.

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

## **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 will be available at outlets / showrooms / distributors of M/s. Macmillan Publishers India Ltd. The price of each book and detail 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 books. The Demand Draft should be drawn in favour of M/s. Macmillan Publishers India 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
Quantitative Methods for Banking & Finance	₹125/-

**ADDRESSES OF MACMILLAN PUBLISHERS INDIA LTD.****BRANCHES & SHOWROOMS****New Delhi**

2/10 Ansari Road, Daryaganj,  
New Delhi-110002  
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Phone : (0431) 2703743

E-mail : intbok@yahoo.co.in,

ntbok@gmail.com

## 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

## I. Time Value of Money

- a. Simple Interest
- b. Compound Interest
- c. Frequency of Compounding
- d. Continuous Compounding
- e. Present Value

## II. Differential Calculus

- a. Function
- b. Graphical Representation of a Function
- c. Derivative of a Function
- d. Increasing and Decreasing Function
- e. Second Order Derivatives
- f. Maxima and Minima

## III. Statistical Measures

- a. Frequency Distribution
- b. Measures of Central Tendency
- c. Measures of Dispersion
- d. Measures of Skewness
- e. Measures of Kurtosis
- f. Correlation
- g. Regression

## IV. Probability Theory

- a. Probability
- b. Conditional Probability
- c. Random Variable
- d. Distribution Function
- e. Expectation and Standard Deviation
- f. Binomial Distribution
- g. Poisson Distribution
- h. Normal Distribution

## COURSES OF IIBF

### A. Flagship Courses (for Members\*)

- ☞ JAIB
- ☞ CAIB
- ☞ Diploma in Banking & Finance (Only for Non-Members)

### B. Specialised Diploma Courses (for Members\* and Non-Members\*\*)

- ☞ Diploma in Treasury, Investment and Risk Management
- ☞ Diploma in Banking Technology
- ☞ Diploma in International Banking and Finance
- ☞ Advanced Diploma in Urban Co-operative Banking
- ☞ Diploma in Commodity Derivatives for Bankers
- ☞ Advanced Wealth Management Course
- ☞ Diploma in Home Loan Advising

### C. Certificate Courses (for Members\* and Non-Members\*\*)

- ☞ Certificate in Trade Finance
- ☞ Certified Information System Banker
- ☞ Certificate in Anti-Money Laundering / Know Your Customer
- ☞ Certificate in Quantitative Methods for Bankers
- ☞ Certificate in Credit Cards for Bankers
- ☞ Certificate Examination in Banking Oriented Paper in Hindi
- ☞ Certificate Examination in SME Finance for Bankers
- ☞ Certificate Examination in Customer Service & Banking Codes and Standards
- ☞ Certificate Examination in CAIB - Elective Subjects
- ☞ Certificate Examination in Basics of Banking / Credit Card Operations / Functions of Banks for employees of IT Companies
- ☞ Certificate Course for Business Correspondents / Business Facilitators
- ☞ Certificate Examination for Debt Recovery Agents
- ☞ Certificate Examination in IT Security
- ☞ Certificate Examination in Rural Banking Operations for RRB Staff
- ☞ Certificate Examination in Prevention of Cyber Crimes and Fraud Management
- ☞ Certificate Examination in Foreign Exchange Facilities for Individuals
- ☞ Certificate Examination in Microfinance

### D. Specialised Blended Certificate Courses

- ☞ Certified Bank Trainer
- ☞ Certified Banking Compliance Professional
- ☞ Certified Credit Officer
- ☞ Certified Treasury Dealer
- ☞ Project Finance Management with IFMR, Chennai

### E. Management Courses

- ☞ Advanced Management Program
- ☞ CAIB linked MBA with IGNOU.

### Educational support :

- ☞ Publishing specific courseware for each paper / examination and Workbooks etc.
- ☞ Classroom learning through Accredited Institutions, Video Classes, e-learning through Portal, Contact Classes or Campus Training - Model Questions and subject updates on the net

### Other activities :

- ☞ Research, Seminars, Conferences, Lectures, etc.
- ☞ Publications of books, Daily e-newsletter, monthly newsletter and quarterly journal
- ☞ Training & Consultancy and Financial Education

\* Members are employees of Banks and Financial Institutions who have enrolled as members of IIBF.

\*\* Non-Members are eligible candidates for each course / examination without IIBF Membership.

The Rules & Syllabus and other information pertaining to the examinations are available with Institute's Offices at Mumbai, Chennai, New Delhi, Kolkata and also at such other centers / offices as may be notified from time to time. The same is also available at our website [www.iibf.org.in](http://www.iibf.org.in).

## ADDRESSES FOR CONTACT

### Corporate Office :

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Fax : 044-2472 6966  
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