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CAIIB ELECTIVE · PAPER 3

# Information Technology & Digital Banking

CE P3

Module-wise chapters, weightage & key topics

| 4 | 15 | 100 | 8 |
|---|---|---|---|
| MODULES | CHAPTERS | MARKS | UPDATED TOPICS |

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# Exam snapshot

## Paper pattern

- ✓ **100 questions** · 1 mark each · **100 marks**
- ✓ Duration **2 hours**, conducted **online**
- ✓ **No negative marking**
- ✓ Pass: **50%** aggregate (with module minimums)
- ✓ Mix of conceptual, applied & numerical questions

## How to read this deck

- ✓ Each module shows its **indicative weightage**
- ✓ Every chapter lists **key topics** + chapter weightage
- ✓ UPDATED = topic with a recent regulatory change — revise latest figures
- ✓ Weightage is **indicative** (content volume + past-paper trend), not officially published by IIBF

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e-notes & one-liners

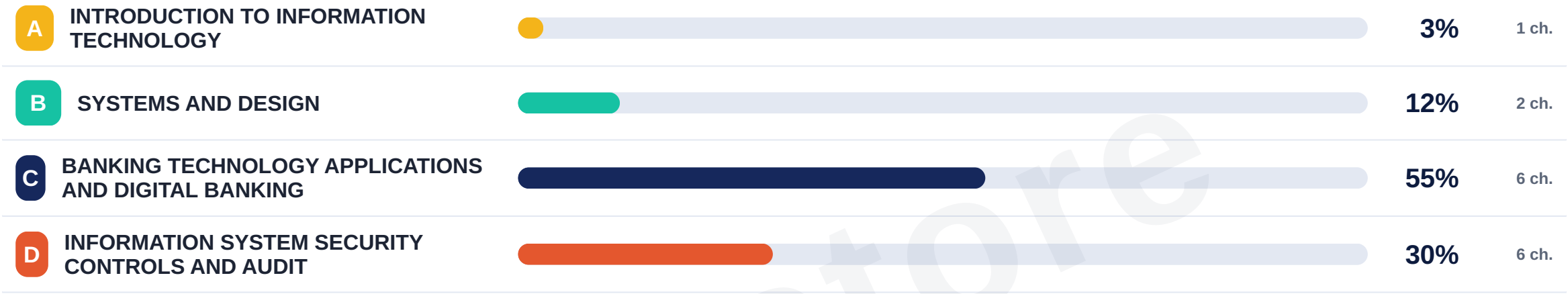
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Latest IIBF pattern

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## Module-wise weightage

WHERE THE MARKS SIT




Indicative distribution of 100 marks across the modules. Prioritise **Module C — BANKING TECHNOLOGY APPLICATIONS AND DIGITAL BANKING**, the single largest scorer.

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# Chapters & key topics

## A Module A — INTRODUCTION TO INFORMATION TECHNOLOGY

**3%**
MODULE WEIGHT

### 1 Networking Systems

Data Communications, Wan Technology Overview, TCP/IP & Internet

**3**
MARKS

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# Chapters & key topics

## B Module B — SYSTEMS AND DESIGN

**12%**
MODULE WEIGHT

### 2 Database Management Systems

DBMS Concepts, Relational database, Normalization of a Database, Oracle

**4**
MARKS

### 3 Data Warehousing and Data Mining UPDATED

Need for Data Warehouse, A Data Warehouse Architecture, Data Warehouse Options, Developing Data, Warehouses, Business Intelligence – Expert Systems & Artificial Neural Networks, Data Mining, Emerging, Trends in Data Warehousing & Analytics

**8**
MARKS

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# Exam-ready PDFs & one-liners

Crisp e-notes, formula sheets and one-liner revision PDFs mapped to every module — download and revise anywhere.

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# Chapters & key topics

## C Module C — BANKING TECHNOLOGY APPLICATIONS AND DIGITAL BANKING · 1/2

**55%**
MODULE WEIGHT

| | | |
|---|---|---|
| 4 | **Banking Software**<br>Banking software, Integrated Banking System (IBS), Centralized banking solution, Features of an online, banking web site, Internet Service Providers/Hosting/Bandwidth/Data Download & Upload, Emerging, Trends in Banking Software, IT Services in Banking – Vendor selection and retention criteria | 9 MARKS |
| 5 | **Electronic Clearing and Settlement Systems** UPDATED<br>Electronic clearing/settlement systems, MICR/OCR/CTS clearing system, Debit Clearing System, Credit, Clearing System, Real Time Gross Settlement (RTGS), National Electronic Fund Transfer (NEFT), National, Payments Corporation Of India (NPCI) and its Products & Services, Structured Financial Messaging System, (SFMS) | 10 MARKS |
| 6 | **Plastic Money**<br>Credit Cards, Debit Cards, Smart Cards, CVV or CSC Number, RuPay Card, Payment Gateway & Secure, Electronic Transaction (SET), ATM & Point Of Sale (POS), Card Tokenization | 8 MARKS |
| 7 | **Electronic Commerce and Banking** UPDATED<br>E-business, Electronic Commerce, E-Commerce Building Blocks, E-banking, Mobile Payments, SMS Banking, & Banking Alerts, The Call Center, EBPP, Emerging Trends in Digital Payments | 9 MARKS |
| 8 | **IT Act 2000 / 2008** UPDATED<br>Introduction To IT Act 2000, Legal Definition of Computer Crime, Some Legal Issues, Gist of Offenses Under, IT Act 2000, Amendment To IT Act in 2008, Digital Rights Management (DRM), Latest Developments | 8 MARKS |

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# Chapters & key topics

## C Module C — BANKING TECHNOLOGY APPLICATIONS AND DIGITAL BANKING · 2/2

**55%**
MODULE WEIGHT

### 9 Emerging Technologies UPDATED

Open Banking, APIS & Embedded Banking, Advanced & Big Data Analytics, Blockchain, Artificial Intelligence, (AI) & Machine Learning (ML), Cyber Security- Zero Trust Security Model, 5G Network, Fintech & Cloud, Computing, Digital Banking Units (DBUs), Central Bank Digital Currencies (CBDCs)

**11**
MARKS

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# Chapters & key topics

## D Module D — INFORMATION SYSTEM SECURITY CONTROLS AND AUDIT · 1/2

**30%**
MODULE WEIGHT

| | | |
|---|---|---|
| 10 | **Communication Security** UPDATED<br>Cryptography, Digital Signatures, Public-Key Infrastructure (PKI), Certification Authorities | 4 MARKS |
| 11 | **Business Continuity and Disaster Recovery planning**<br>Business Continuity Plan vs Disaster Recovery Plan, Business Continuity Planning, RBI Guidelines on, Disaster Avoidance, Disaster Recovery Planning | 4 MARKS |
| 12 | **Information System Audit**<br>The Concept, System Audit Procedures, System Audit – Security, IS Audit controls & Approaches, RBI, Guidelines on IS Audit | 5 MARKS |
| 13 | **Competitive Bid Process – RFP and SLA** UPDATED<br>Competitive Bid Process – RFP, RFP Process, Evaluation of Proposals, Contract Co-Ordination, Service Level, Agreement (SLA), SLA Processes, Structuring an SLA, SLA Management, RBI Guidelines on IT Services, Outsourcing | 10 MARKS |
| 14 | **RBI Guidelines on Cyber Security (2016) & Digital Payment Security (2021)** UPDATED<br>Difference Between Cyber Security and Information Security, RBI Guidelines on Cyber Security in Banks, – June 2016, Master Directions of RBI on Digital Payment Security Controls (Effective from August 2021) | 4 MARKS |

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# Chapters & key topics

## D Module D — INFORMATION SYSTEM SECURITY CONTROLS AND AUDIT · 2/2

30%
MODULE WEIGHT

15 **RISK MANAGEMENT MODULE A: RISK AND RISK MANAGEMENT FRAMEWORK Why Banks are Special**
Functions Banks Perform, Bank's Role in the Economy, Other Uniqueness of Banks

3
MARKS

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