

**Chapter 1: CICS Concepts and Facilities**

You will learn:

- Typical uses.
- CICS and VTAM.
- CICS structure.
- How to handle a task.
- Program types.
- Passing data from one program to another.
- Integrity and transaction isolation.
- Security.
- Operations tasks.

**Chapter 2: Design of Application Programs**

You will learn:

- Restrictions on languages.
- Recommended coding techniques.
- Conversations and pseudo-conversations.
- Communications Area.
- COBOL Linkage Section.
- Exec Interface Block.
- Commands for accessing system data.

**Chapter 3: Basic Mapping Support**

You will learn:

- 3270 concepts.
- BMS modules.
- DFHMSD, DFHMDI, and DFHMSP.
- Symbolic MAP.
- DFHBMSCA copybook.

**Chapter 4: Coding and Compiling CICS Programs**

You will learn:

- Language syntax.
- COBOL arguments.
- PL/1 arguments.
- Translation process.

**Chapter 5: Processing Error Conditions**

You will learn:

- RESP.
- Handle Condition.
- Invoking Transaction Dumps.
- User Abend trapping.
- PUSH and POP.

**Chapter 6: Passing Data and Control**

You will learn:

- Logical program levels.
- Passing control: LINK, XCTL, and RETURN.
- Passing data.
- Temporary storage.
- Transient data.

**Chapter 7: Controlling the User's Dialogue**

You will learn:

- Terminal function keys.
- Handle AID.
- EIBAID.
- Screen input and output.
- Ending the dialogue.

**Chapter 8: File Handling**

You will learn:

- Locking and RLS: Record Level Sharing.
- Files: reading from, writing to, and updating.
- Deleting records.
- VSAM browse facilities.
- SYNCPOINT.
- Recovery and restart.
- CICS and DB2.
- CICS system start.
- Update strategy.

**Chapter 9: Interval Control**

You will learn:

- ASKTIME.
- DELAY.
- POST.
- START.
- CANCEL.
- RETRIEVE.

**Chapter 10: Miscellaneous Commands**

You will learn:

- Abend Support.
- APPC conversation.
- BMS.
- ASSIGN.
- Web services.

**Chapter 11: CICS-Supplied Transactions**

You will learn:

- Logging on: CESN.
- Logging off: CESF.
- CEOT.
- CMSG.
- Resource Definition Online: CEDA.
- CECI, CEBR, CEDF, CDBC, CSFE, CMAC, and CEMT.

**Chapter 12: Multiple CICS Regions**

You will learn:

- Multi region operation.
- Inter System Communication.
- Function shipping.
- Distributed processing.
- Transaction routing.