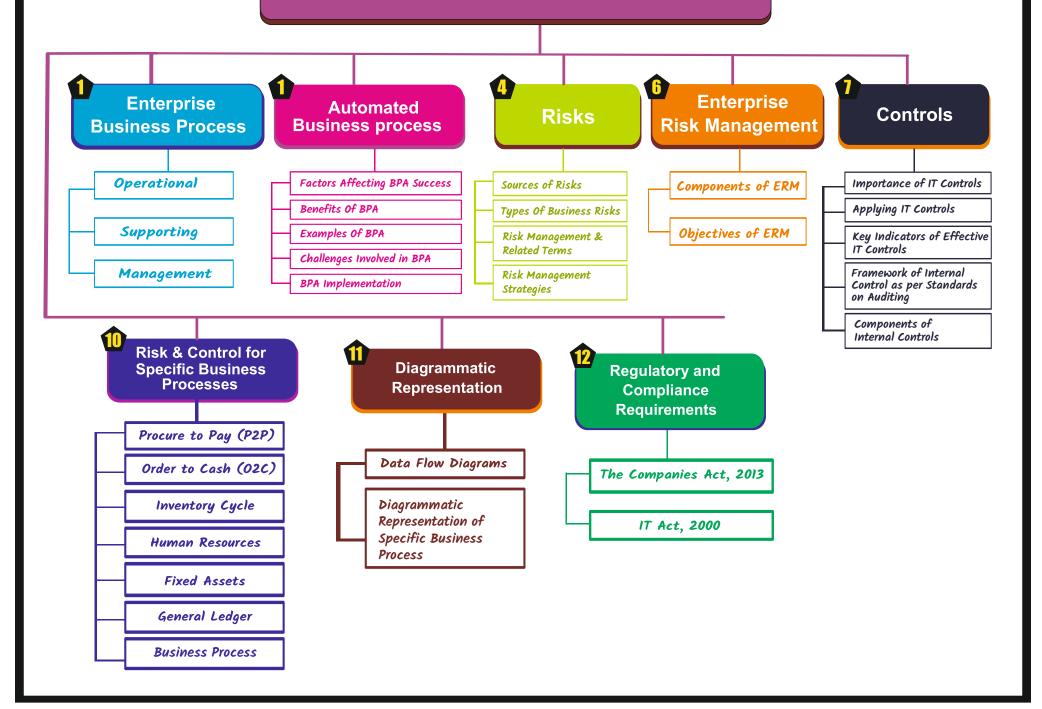
### **Master Chart Of Ch.1**



### **Master Chart of Ch.2**

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### INTEGRATED (ERP) AND NON-INTEGRATED SYSTEMS

- a) What is a System?
- c) Concepts in Computerized
  Accounting Systems
  - Types of Data
  - Voucher Types
  - Voucher Number
  - Accounting Flow
  - Types of Ledgers
  - Grouping of Ledgers

- b) What is a Process?
- d) Technical Concepts
- Working of any software
- Installed Applications V/s
   Web Applications
- e) Non-Integrated System
- f) Enterprise Resource Planning (ERP) Systems
  - g) Benefits of an ERP Systems

- Risks And Controls
  in an ERP Environment
  - a) ERP Implementation
    Its Risk & Related Controls
  - b) Role Based Access Control (RBAC) in ERP System
  - c) Types of Access

- Business Process

  Modules And Their Integration With
  Financial & Accounting Systems
  - a) What is a Business Process?
  - b) Business Process Flow
  - c) Integration with Other Modules
  - d) Business Categories of BPM
  - e) Functional Modules of ERP

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# Applicable Regulatory & Compliance Requirements

- a) What is Regulatory Compliance?
- b) Pros and Cons of having single software for Accounting and Tax Compliance

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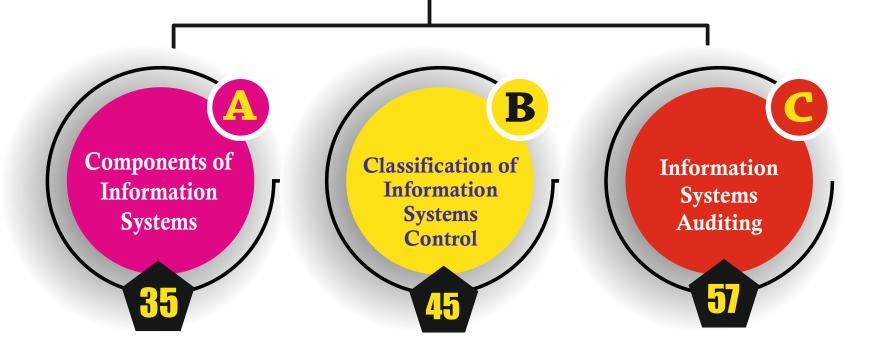
Audit Of Erp Systems 29

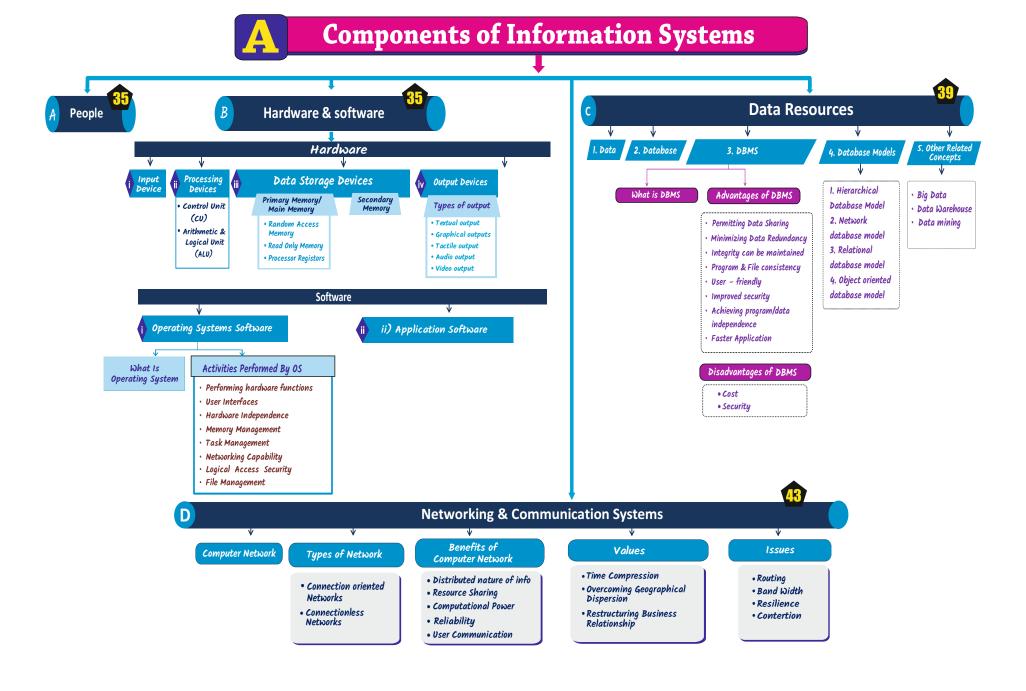
Reporting System And Management Information Systems (MIS) 30

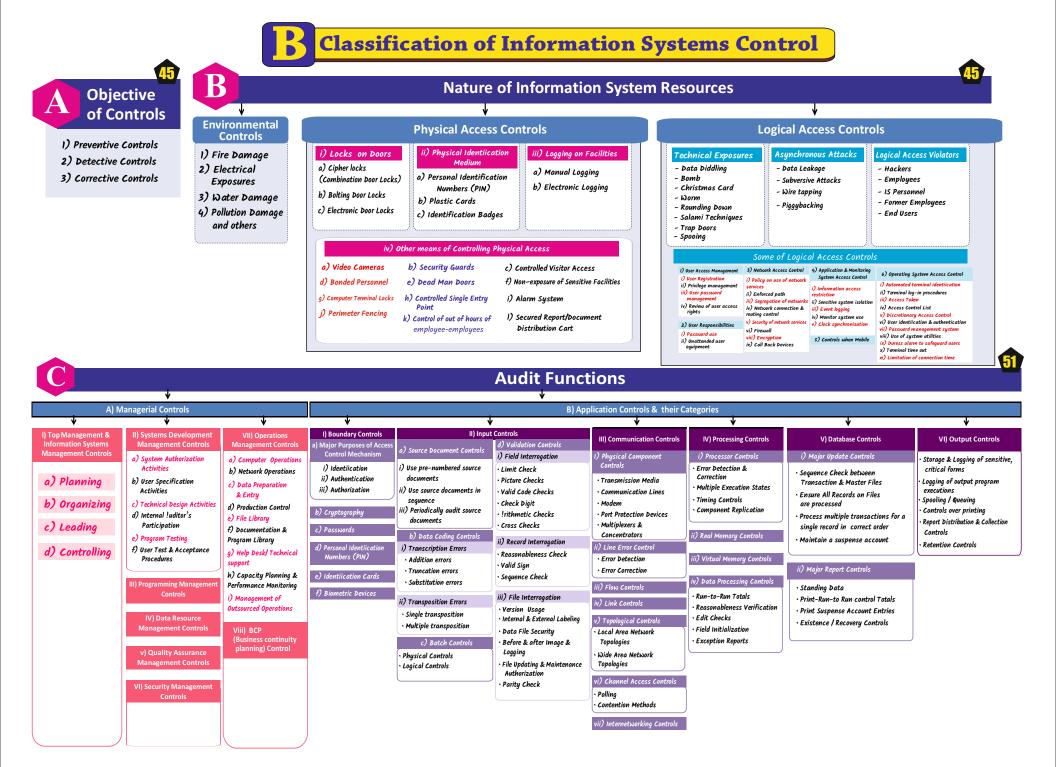
Data Analytics And Business Intelligence 32

Business Reporting And Fundamentals Of Xbrl

## Master Chart of ch.3









#### **Information Systems Auditing**

Need for Audit of Information System

> Information Systems Auditing

Tools for Is Audit

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#### Audit Trail

- \* Audit Trail Objectives
- Implementing an Audit Trail

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#### Auditing Environmental Controls

- Role of Auditor in Auditing Environmental Controls
- \* Audit of Environmental Controls

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#### Auditing Physical Security Controls

- \* Role of is Auditor in Auditing Physical Access Controls
- \* Audit of Physical Access Controls

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#### Audit of Logical Access Controls

- \* Role of IS Auditor in Auditing Logical Access Controls
- \* Audit of Logical Access
  Controls

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### Managerial controls and their Audit Trails

- \* Top Management & Information Systems Management Controls
- \* Programming Management Controls
- \* System Development Management Controls
- \* Data Resource Management Controls
- \* Quality Assurance Management Controls
- \* Security Management Controls
- \* Operations Management Controls

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### Application Controls & their Audit Trails

- \* Boundary Controls
- \* Input Controls
- \* Communication Controls
- \* Processing Controls
- \* Database Controls
- \* Output Controls

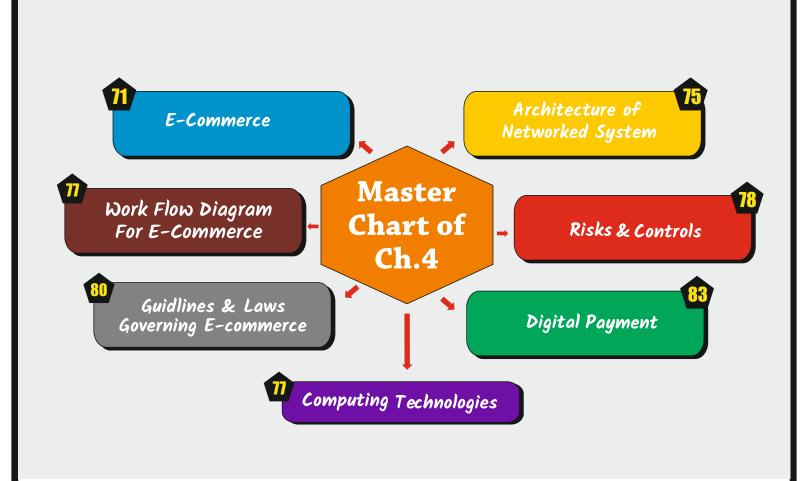
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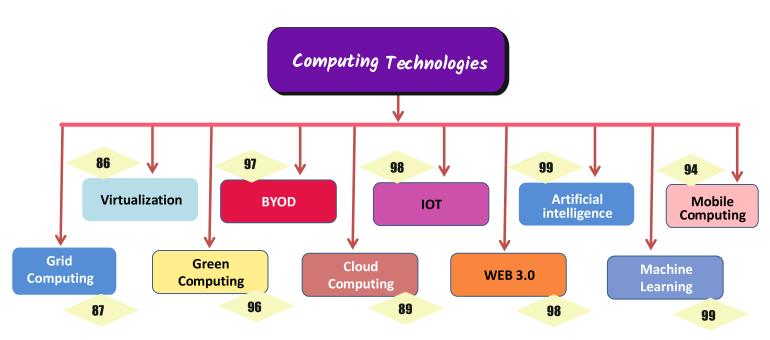
### Organization Structure and Responsibilities

1

# Segregation of Duties (SOD)

- A Roles & Responsibilities
- **B** Job Titles and Job Descriptions
  - \* General Operations
  - \* Security Operations
  - \* Service Desk
  - \* Executive Management
  - \* Software Development
  - \* Data Management
  - \* Network Management
  - \* Systems Management





### **Master Chart of Ch 5**





OVERVIEW OF BANKING SERVICES

- Introduction
- Overview of Core Banking Systems





COMPONENT AND ARCHITECTURE OF CBS

- Technology Components of CBS
- CBS IT Environment
- Functional Architecture Of CBS
- Internet Banking Process
- E-Commerce Transaction Processing

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CBS RISKS, SECURITY POLICY AND CONTROLS

- Risks Associated with CBS
- Security Policy
- Internal Control System in Bank
- CBS:
   Core Business Processes
   Relevant Risks & Controls

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APPLICABLE REGULATORY AND COMPLIANCE REQUIREMENTS

- Impact of Technology in Banking
- Money Laundering
- Cyber Crimes
- Banking Regulation Acts