

# **BCA III Semester**

## **Paper XIII- E-Business Essentials**

Introduction, Definition of Electronic Commerce and business, History, Electronic Forces, Management & E-Business, Implications of various forces, information, superhighway, Types of Electronics, Commerce's, Internet & WWW, Concept and Technology, Browsers, Internet access providers, On line transactions, Shopping & Banking.

(Exposure to Internet Operations expected)

### **Recommended Books;**

- |                                       |                       |
|---------------------------------------|-----------------------|
| 1) Rayudu C S                         | E-commerce-E-business |
| 2) Ravi Kalakots & Andrew b. Whinston | Electronic commerce   |
| 3) Ravi Kalakots & Marcia Robinson    | E-business            |

## **Paper XIV- Business Law-I**

- 1) Contract Act
- 2) Sale of Goods Act
- 3) Partnership Act
- 4) Shop & Establishment Act

### **Recommended Books:**

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|-----------------------------|-----------------------------|
| 1) A.K. Sen                 | Commercial & Industrial Law |
| 2) N.D. Kapoor              | Mercantile & Industrial Law |
| 3) M.C . Shukla             | Mercantile & Industrial     |
| 4) Mahaeshwari & Maheshwari | Business Law                |

## **Paper XV-Principles of Management**

- I. Definition, Nature & Scope of Management, Importance, Management as an Art, Science and Profession, Different approaches to Management.
- II. Evolution of Management thought and contribution of Taylor, Fayol, Follet, Mayo, Druker etc.
- III. Management Process, Planning ,organizing, staffing, Direction, /controlling, coordination , leadership.
- IV. Functional Management, Human Resource Management, Marketing Management, Financial Management, Materials Management.

### **Recommended Books:**

- |                     |                           |
|---------------------|---------------------------|
| 1) Agarwal R.D.     | Organization & Management |
| 2) Varnashi Murthy  | Management Practice       |
| 3) Tripathi & Reddy | Principles of Management  |
| 4) Ramasmy T        | Principles of Management  |

## Paper XVI-OOP S Using C++

- i. Basic concepts and principles of Object Oriented Programming
- ii. Object Oriented Languages.
- iii. Application of Object Oriented Programming
- iv. Introduction of C++
- v. Tokens, Expression & Control Structure.
- vi. Function in C++
- vii. Constructors & Deconstructions
- viii. Operators Overloading & Type Conversion.
- ix. Inheritance
- x. Pointers, Virtual Function & Polymorphism.
- xi. File handling

### **Practical's:**

Writing of C++ Programs using keywords, functions, Pointers, Objects, Class, features etc.

### Recommended B ooks:

- |                    |                                      |
|--------------------|--------------------------------------|
| 1) E-balaguruswamy | Object Oriented Progammng with c++   |
| 2) S. Nisar Ali.   | Object oriented Programming System   |
| 3) Jayram & Prasad | Object Oriented Programming with C++ |

## **Paper XVII- Data Structure & Algorithms**

Data, Type, Primitive secondary, Simple, Compound, Data Structure, Linear Structure, Array, Linked List, Queue, Stacks, Non Linear Data Structure Tree, Binary Tree Structures, Graph, Networks, Implementation of Data Structure in Computer Memory, Algorithm Concept, Features & Characteristics, Designing of algorithms for Insertion of records in Array, Linked List, stack, Queue, Traversal of Linked List Stack Queue, Binary Tree, Graph.

### **Recommended Books:**

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|-----------------------|-----------------------------|
| 1. Bhagat Singh & Nap | Data & file Structure.      |
| 2. Droomy             | How to Solve it by Computer |
| 3. Aho                | Data Structure & Algorithm  |

## Paper XVIII-DBMS

Introduction to DBMS- Database features, Database operations, Types of Databases, data types, managing data in a database

Study of FOXPRO Commands.

Create, Append, Edit, Browse, Recall, Copy, Pack, Find, Locate, Replace, Delete, List, Sort, Index, Report & Label Generation.

Programming In FoxPro

Creating program files control, looping & structures, skip, input, accept, set, do while, end do, if-end if, for, end for, do case –end case, text, end text.

### **Practical's:**

Writing of Programs using the different commands of FoxPro.

### **Recommended Books;**

- |              |                      |
|--------------|----------------------|
| 1. Taxali    | Foxpro 2.5           |
| 2. Ahlo H.M. | Foxpro 2             |
| 3. Siegal    | Mastering ForPro 2.5 |

# BCA Semester IV

## Paper XX- Business Laws-II

1. Companies Act  
Formation, documents of registration, Mgt & Adm Directors, Meetings
2. Negotiable Instruments Act
3. Factories Act
4. Payment of Wages Act

### **Recommended Books:**

- |                |                              |
|----------------|------------------------------|
| 1. A.k. Sen    | Commercial & Industrial; Law |
| 2. N.D. Kapoor | Mercantile & Industrial Law  |
| 3. M.C. Shukla | Mercantile & Industrial Law  |

## **Paper XXI-Entrepreneurship**

1. Introduction, Concept & Philosophy, Entrepreneurship Evolution and Development, Qualities of Entrepreneur,
2. Function of Entrepreneur- Contribution to economic growth, regional development, employment generation, export promotion.
3. Setting up new venture, search for new ideas, project identification, project report and business planning.
4. SSI, Definition, Role, Types, Incentives & Assistance to SSI, Policies Governing SSI, Process of setting up a small scale industry.

### **Recommended Books:**

- |                               |   |
|-------------------------------|---|
| 1. Himalaya Publishing        | Entrepreneurial Development(Vol. 1,2&3)             |
| 2. Gupta C.B & N.P Srinivasan | Entrepreneurial Development                         |
| 3. Desai Vasant               | Fundamentals of Entrepreneurship and Small Business |



## Paper XXII- Java Programming

Java-History, Features, Difference of Java, C & C++, Java Support System & Environment, Overview of Java Program, Java Program Structure, Java Tokens, Java Statements, Implementing Java Program, Java Virtual Machine, Command Line Arguments, Constants, Data Types, Variables, Declaration, Operators and Expression, /branching and lopping in Java, Classes, Objects and Methods, Arrays.

### **Particles:**

Writing of java Programs using keywords, functions, Pointers, Objects, Class, features, etc.

### **Recommended Books;**

- |                   |                               |
|-------------------|-------------------------------|
| 1. E-Balguruswamy | Programming with JAVA         |
| 2. Rebelsky       | Experiments in Java           |
| 3. Arnold         | The Java Programming Language |

## Paper XXIII- MiS & DSS

Introduction to MIS, Role, & importance of Mis, Decision Making concept, Decision Methods, Tools & Procedures, Behavioral concepts, Mis & Decision Making Concept, Classification of information, MIS & Information concepts, System concept, Control, MIS & System Concepts, DSS, Computer supported Dss, Dss framework, Characteristics and capabilities of Dss, Components of Dss, Differences and similarities of Mis and Dss, Classification of Dss.

### **Recommended Books:**

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|--------------------|--------------------------------|
| 1. W.S. Jawdekar   | Management Information System  |
| 2. Gordon Davis    | Management Information System  |
| 3. Turban & others | Decision Support System        |
| 4. Mohan P         | Management Information Systems |

## **Paper XXIV Networking & Web Design**

1. Computer & Communication, Single User, Multiuser, Workstation, Client Server System, Computer Networks, Network Protocols TCP/IP, LAN, WAN, MAN, Topologies, OSI Models.
2. Creating Web Page with HTML, Basic Elements lists, Linking HTML, Pages & URL, Text formatting, embedding image, in HTML page.
3. Tables & Frames, Creation of Tables & Frames, Complex Frames.
4. Form & CGI Script, Form Design, Layout features, CGI Scripting.
5. Java Applets, Introduction, use of AV files in web page.

### **Practical's;**

Developing web sites using HTML and Java Applets.

### **Books;**

1. Monica D' Souza & Jude D' Souza 'web Publishing': Tata Mcgraw Hill
2. Willard 'web Design': Tata McGraw Hill.
3. Bhatnagar                      Network Analysis Technique
4. Tenenbaum                      computer Network