

## SEMESTER – III

### Core - Corporate Accounting

**Instructional Hrs. : 90**

**Sub. Code: 16CEUC304**

**Max. Marks : CIA -25; ESE -75**

**Credits: 4**

**Objectives** : After the successful completion of the course the student should have a thorough knowledge on the accounting practice prevailing in the corporate.

#### **UNIT – I**

**18 Hrs.**

Issue of shares – Books to be maintained for Allotment of shares – Issue of shares at premium and at discount – *Forfeiture and Re-Issue of Shares*. Underwriting of shares.

#### **UNIT – II**

**18 Hrs.**

Issue and *Redemption of Debentures*: Classification of Debentures-Shares and Debentures-Issue of Debentures-Debiture Discount-Interest on Debentures-Redemption of Debentures-Methods (Including Ex-Interest and Cum-Interest).

#### **UNIT – III**

**18 Hrs.**

Goodwill – Meaning – Factors influencing the goodwill – Need for valuation of goodwill – Methods of valuation of goodwill. Shares – Meaning – Factors influencing the value of shares – *Need for Valuation of Shares* – Methods of valuation shares

#### **UNIT – IV**

**18 Hrs.**

**Preparation and presentation of final accounts of joint stock companies as per Companies Act 2013** - Determination of Managerial remuneration – *Divisible Profits and Dividends*.

#### **UNIT – V**

**18 Hrs.**

Liquidation of Companies – Preparation of Statement of affairs and Deficiency Account

**Note: Distribution of marks for Theory and problems shall be 20% and 80% respectively. Italics denote self study topics.**

#### **Skill Based Component (Not for End of Semester Examinations)**

- To study the schedule VI (Revised)
- To collect annual reports and understanding the presentations.

#### **TEXT BOOK**

1. Reddy.T.S & A.Murthy, *Corporate Accounting*, Margham Publications, Chennai, 6<sup>th</sup> Revised Edition, 2015.

## **BOOKS FOR REFERENCE**

1. **Gupta.R.L & M.Radhaswamy**, *Advanced Accountancy*, Sultan Chand & Sons Educational Publishers, New Delhi, Vol. II, 13<sup>th</sup> Revised Edition, 2007.
2. **Jain.S.P & K.L.Narang**, *Advanced Accountancy*, Kalyani Publishers, New Delhi, Vol. II, 16<sup>th</sup> Revised Edition, 2009.
3. **Shukla.M.C. & T.S.Grewal**, *Advanced Accountancy*, S.Chand& Company Ltd, New Delhi, 17<sup>th</sup> Edition, 2011.

## SEMESTER – III

### Core - Object Oriented Programming with C++

**Instructional Hrs. : 75**

**Sub. Code: 16CEUC306**

**Max. Marks : CIA -25; ESE -75**

**Credits: 4**

**Objectives:** After the successful completion of the course the student must be able to construct an Application with C++

#### UNIT – I

**15 Hrs.**

OOPs, A New Paradigm – Evaluation of Programming Paradigm – Objects – Classes – Multiple Viewing of the Same Object – Encapsulation and Data Abstraction – Inheritance – Delegation – Object Composition – Polymorphism – Message Communication – Popular OOPs Languages – *Merits and Demerits of OOPs Methodology* – Application of OOPs.

#### UNIT – II

**15 Hrs.**

**Application of C++** - Structure of C++ Program – Tokens, Expression -Basic Data Types – Symbolic Constants – Declaring Data Types - *Reference Variables* – Operator in C++ - Scope Resolution Operator – Expressions and Implicit Conversions – Control Structures – Functions in C++ - Call by Reference – Call by Value – Inline Functions – Default Arguments – Constant Arguments – Classes and Objects – Defining Member Functions – Nesting Member Function – Private Member Function – Static Member Function.

#### UNIT – III

**15 Hrs.**

Array of Objects – Friend Function – Returning Objects – Constant Member Function – Pointer to Members – Constructors with Default Arguments – Copy Constructor – Dynamic Constructor – Destructor – Operator Overloading and Type Conversions – Rules for Operator Overloading – Function Overloading – *Function Overloading with Arguments* – Special Features of Function Overloading.

#### UNIT – IV

**15 Hrs.**

Inheritance – Single Inheritance – Types of Base Classes – Types of Derivation – Public – Private – Protected Inheritance – Multilevel Inheritance – Multiple Inheritance – Hierarchical Inheritance – Hybrid Inheritance – Polymorphism – Virtual Functions – Pure Virtual Function – *Pointer to Derived Classes*.

#### UNIT – V

**15 Hrs.**

Managing Console I/O Operations – C++ Streams – Stream Classes – istreams, ostream, iostream, fstream, ifstream, ofstream, filebuff, istrstream, *ostrstream* – Unformatted I/O Operation – Classes for File Stream Operations – Opening and Closing a file.

**Note: *Italics* denotes self study topics.**

#### TEXT BOOK

1. **E.Balagurusamy**, *Object Oriented Programming with C++*, Tata McGraw-Hill Publishing Company Limited, New Delhi, 2<sup>nd</sup> Edition , 2004.

## **BOOKS FOR REFERENCE**

1. **D.Ravichandran**, *Programming with C++*, Tata McGraw-Hill Publishing Company Limited, New Delhi, 2<sup>nd</sup> Edition, 2006.
2. **Herbert Schildt**, *C++:The Complete Reference*, Tata McGraw-Hill Publishing Company Limited, New Delhi, 4<sup>th</sup> Edition,2008
3. **John R.Hubbard**, *Programming with C++*, Tata McGraw-Hill Publishing Company Limited, New Delhi,2006

## SEMESTER – III

### Skill Based Subject–Information Technology

**Instructional Hrs: 45**

**Sub. Code: 16CEUS301**

**Max. Marks: CIA -25; ESE -75**

**Credits: 3**

**Objectives** : After the successful completion of the course the students should have basic knowledge about concepts and principles of Information technology.

**UNIT I** **9 Hrs.**

**Introduction to Information Technology:** Information – Characteristics of Information – Definition –Importance –*Generations of Computers.*

**UNIT II** **9 Hrs.**

**Fundamentals of Computers:** *Classification of Computers* –Input, Output and Storage devices.

**UNIT III** **9 Hrs.**

**Data Processing:** Data Processing Concepts– *Objectives* –Methods of Data Processing.

**UNIT IV** **9 Hrs.**

**Network:** *Introduction to Network* – Types of Networks. E-Waste – E-waste Management

**UNIT V** **9 Hrs.**

**Management Information System:** Introduction – Characteristics – Background of MIS – *Designing of MIS* – Benefits of MIS.

**Note:** *Italics denotes Self Study Topics.*

#### TEXT BOOK

1. Saravanakumar.R, R. Parameswaran and T. Jayalakshmi, *A Text book of Information Technology*, S. Chand Co. Pvt. Ltd., New Delhi, 1<sup>st</sup> Edition 2010.

#### BOOKS FOR REFERENCE

1. Richard Brightman and W. Dimsdale, *Using Micro Computers*, Galgotia Publications Pvt. Ltd., New Delhi, 2001.
2. Taxali.R.K.,*P.C. Software made Simple*, Tata McGraw Hill Publishing Company Ltd, New Delhi, 1<sup>st</sup> Edition, 2001.
3. Alexis and Mathews Leon, *Introduction to Computers*, Leon (Tech) World, Chennai, 2008.

## SEMESTER – III

### Non Major Elective - Brand Management

Instructional Hrs. : 90

Sub. Code : 16CEUN301

Max. Marks : CIA -25; ESE -75

Credits: 2

**Objectives:** After the successful completion of the course the student must know the concepts of Internet and design a web page.

#### UNIT I

18 Hrs.

**Brand Management:** Introduction - Meaning – Definition – Concepts - Process- Significance of Brand

#### UNIT II

18 Hrs.

**Brand positioning:** Need of positioning - Rules for successful brand positioning. Brand equity – Definition - Measurement-Building brand equity

#### UNIT III

18 Hrs.

**Brand Identity:** Definition – Models – Elements. Brand Personality - Definition- Scales.

#### UNIT IV

18 Hrs.

**Brand Image - Brand gap - Decoding Brand Image - Brand Communication – Tools.**

#### UNIT V

18 Hrs.

**Brand Awareness** - Brand Extension - Merits and Demerits of Brand Extension- Choosing the right Brand Extension-Global Branding – Benefits.

**Note:** *Italics denote topics for self study*

#### TEXT BOOK

1. Mahim Sagar , Deepali Singh, D.P.Agarwal & Achintya Gupta , *Brand Management* , Ane Books Pvt. Ltd , New Delhi, 2009

#### BOOKS FOR REFERENCE

1. Kevin Lane Keller, *Strategic brand Management*, Pearson Education, New Delhi, 2003.
2. Jean Noel, Kapferer, *Strategic brand Management*, The Free Press, New York, 1992.
3. Brad VanAuken, *Branding*, Jaico Publishing House, New Delhi, 4<sup>th</sup> Edition, 2010

## SEMESTER – IV

### Core– Business Finance

**Instructional Hrs. : 75**

**Sub. Code: 16CEUC407**

**Max. Marks : CIA -25; ESE -75**

**Credits: 4**

**Objectives:** On successful completion of this course, the student should be well versed in the concept of Business Finance and the Application of Finance to Business.

#### UNIT – I

**15 Hrs.**

**Business Finance:** Introduction – Meaning – *Concept* - Traditional and Modern Concepts - Scope – Functions of Finance– Contents of Modern Finance Functions.

#### UNIT – II

**15 Hrs.**

**Financial Plan:** Meaning - Concept – *Objectives* – Types – Steps – Significance – Fundamentals.

#### UNIT – III

**15 Hrs.**

**Cost of Capital:** Meaning and Importance - Cost of Debt, Preferences, Equity and Retained Earnings - Weighted Average Cost of Capital - Theories of Capital Structure - Net Income Approach- Net-Operating Income Approach - MM hypothesis - *Determinants of Capital Structure.*

#### UNIT – IV

**15 Hrs.**

**Capital Budgeting** – Techniques - ROI, Pay Back and Discounted Cash Flows.  
**Leverages** - Operating Leverage – Financial leverage.

#### UNIT – V

**15 Hrs.**

**Working Capital Management and Dividend Theories:** Working Capital- Need – Determinants – Estimating Working Capital Needs - Computation of Working Capital.  
**Dividend Theories:** Walter’s Model - Gordon and MM’s Model Dividend Policy - Forms of Dividend - *Determinants of Dividend Policy.*

**Note: Distribution of marks for Theory and Problems shall be 40% and 60% respectively.**

*Italics denotes self study topics.*

**Skill based component** (Not for End of Semester Examinations)

- Collect the annual report of a company and prepare working capital requirements.
- Prepare a report on the procedure relating to industrial credit provided by scheduled commercial banks.

## **TEXT BOOK**

1. **Sharma.R.K and Shashi.K.Gupta**, *Management Accounting*, Kalyani Publishers., NewDelhi, 13<sup>th</sup> edition 2014.

## **BOOKS FOR REFERENCE**

1. **R.M.SriVastava**, *Essentials of Business Finance*, Himalaya Publishing House, Mumbai, 7<sup>th</sup> Edition,2016
2. **Dr.Maheswari.S.N**, *Financial Management Principles and Practice*, Sultan Chand & Sons, New Delhi.13<sup>th</sup> Edition, 2009
3. **Prasanna Chandra**, *Financial Management*, Tata Mc Graw Hill Publishing Company Ltd - New Delhi,6<sup>th</sup> Edition , 2002.



## SEMESTER – IV

### Core - Data Base Management System

**Instructional Hrs. : 75**

**Sub. Code : 16CEUC408**

**Max. Marks : CIA -25; ESE -75**

**Credits: 4**

**Objectives:** On successful completion of the course the students should understand the architectural concept, structural embedded SQL, Hierarchical approach and Network concept.

#### UNIT – I

**15 Hrs.**

**Database System Architecture Basic Concepts :** Data System, Operational data, data Independence, Architecture for a database system, *Distributed databases*, Storage Structures : Representation of Data. Data Structures and corresponding operators: Introduction, **Relation Approach, Hierarchical Approach, Network Approach.**

#### UNIT – II

**15 Hrs.**

**Relational Approach :** Relational Data Structure : relation, domain, attributes, keys  
Relational Algebra : Introduction, Traditional set operation. Attribute names for derived relations. *Special relational operations.*

#### UNIT – III

**15 Hrs.**

**Embedded SQL:** Introduction – Operations not involving cursors, involving cursors - Dynamic statements, Query by Example – Retrieval operations, Built – in – functions, update operations. *QBE Dictionary*. Normalization : Functional dependency, First, Second, third normal forms, Relations with more than one candidate key, Good and bad decomposition.

#### UNIT – IV

**15 Hrs.**

**Hierarchical Approach :** IMS data structure. Physical Database, Database description. *Hierarchical sequence*. External level of IMS: Logical Databases, the program communication block IMS Data manipulation : Defining the Program communication Block : DL / 1 Examples.

#### UNIT – V

**15 Hrs.**

**Network Approach :** Architecture of DBTG system. DBTG Data Structure : The set construct, Singular sets, Sample schema, the external level of DBTG – DBTG Data manipulation.

**Note:** *Italics denotes self study topics.*

#### TEXT BOOK

1. **Date.C.J**, *An Introduction to database Systems*, Narosa Publishing House, New Delhi, 3<sup>rd</sup> edition, 2002.

#### BOOKS FOR REFERENCE

1. **Abraham Silberschatz Henry F Korth**, *Database Systems Concepts*, Tata McGraw Hill Companies, New York, 6<sup>th</sup> edition, 2011.
2. **Bipin C. Desai**, *An Introduction to Database System*, Galgotia Publications Pvt. Ltd., New Delhi, 1<sup>st</sup> edition, 2002.
3. **Pannerselvam.R. B**, *Database Management System*, Prentice- Hall of India, New Delhi, 2<sup>nd</sup> Edition,2011

## SEMESTER - IV

### Core - Software Engineering

**Instructional Hrs. : 75**

**Sub. Code: 16CEUC409**

**Max. Marks : CIA -25; ESE -75**

**Credits: 4**

**Objectives :** After the successful completion of the course the student must be able to develop software.

#### UNIT– I

**15 Hrs.**

**Software Engineering:** Introduction – Definition –Size factors-Quality and productivity factors. Planning a software project: Defining the problem-Developing a solution strategy- *Planning the development process.*

#### UNIT –II

**15 Hrs.**

**Software cost estimation:** Software cost factors- Software cost estimation techniques- *Estimating software maintenance costs.*

#### UNIT– III

**15 Hrs.**

**Software Design:** Fundamental design concepts- Coupling and cohesion- Design notations- Structured design- Integrated top down development- *Design Guidelines.*

#### UNIT– IV

**15 Hrs.**

**Implementation Issues-** Verification and validation techniques: Quality assurance- Static analysis- Symbolic execution- Unit testing and debugging- *System testing.*

#### UNIT– V

**15 Hrs.**

**Software Maintenance:** Enhancing maintainability during development-Managerial aspects of software maintenance- *Configuration management-* Source code metrics.

**Note: *Italics* denotes self study topics.**

#### TEXT BOOK

1. **Richard E. Fairley**, “*Software Engineering Concept*”, Tata McGrawHill Pub,Company Ltd., New Delhi,1<sup>st</sup> Edition,1997

#### BOOKS FOR REFERENCE

1. **Roger Pressman** ,“*Software Engineering*”,TataMcGraw Hill Pub,Company Ltd, New Delhi,6<sup>th</sup> Edition,2005.
2. **Ian Sommerville**, “*Software Engineering*”, Addison-wesley, London, 8<sup>th</sup> Edition, 2007.
3. **Eve Anderson, Philip Greenspun, Andrew Grumet**, “*Software Engineering for Internet Applications*”, PHI learning Private Limited, New Delhi, 1<sup>st</sup> Edition, 2009.

## SEMESTER – IV

### Non-Major Elective – Exim Management

**Instructional Hrs. : 30**

**Sub. Code : 16CEUN402**

**Max. Marks : ESE-100**

**Credits: 2**

**Objective:** The subject deals with the Export and Import Policies sales negotiations Execution of the sale and provides knowledge on the various aspects connected with Banking, Foreign Buyers and Sellers.

**UNIT – I** **6 Hrs.**

Introduction of Import and Export Trade – Principal Commodities Of Export and Import, Categories of Exporters – Foreign Trade Policy – Objectives – Highlights.

**UNIT – II** **6 Hrs.**

**Export Procedures** - Documentation Procedures - Cargo Insurance - Negotiation and Finalization - Selection of Carriers - *Export Benefits*.

**UNIT – III** **6 Hrs.**

**Overview of various export promotion schemes** - Duty Drawback- Advance License - Remission Scheme - DEPB Scheme - *Export Promotion Capital Goods Scheme* - Diamond & Jewellery - Agricultural & Pharmaceutical product exports promotion scheme.

**UNIT – IV** **6 Hrs.**

Import Policy – **Current Import Policy** – Licenses, Customs Clearances, Permits, Open general licenses – *License Issuing authorities* – Registration of Licenses – Supplementary Licenses.

**UNIT – V** **6 Hrs.**

**Import Procedures** - Import Documentation - Types of Imports - Import Licenses.

**Note:** *Italics* denote topics for self study.

#### TEXT BOOK

1. Nabhi's Board of Editors , *How to Export* , Nabhi Publications

#### BOOKS FOR REFERENCE

1. Nabhi's Board of Editors, *New Import Export Policy* , Nabhi Publications.
2. Mahajan , A Guide on Export Policy Procedure & Documentation, Snow White Publications Pvt. Ltd, 26<sup>th</sup> Edition, 2015.
3. D.C Kapoor, *Export Management*, Vikas Publishing House, 2009.
4. EXIM Policy & Handbook of EXIM Procedure – VOL I & II
5. Usha Kiran Raj, *Export –Import and Logistics Management*, PHI Learning Private Limtes, New Delhi, Second Edition, 2010.

## SEMESTER –V

### Core - Executive Business Communication

Instructional Hrs. : 75

Sub. Code : 16CEUC511

Max. Marks : CIA -25; ESE -75

Credits: 3

**Objectives:** After the successful completion of the course the student must be able to communicate clearly in the day-to-day business world and develop the written and oral Business communication skills.

#### UNIT – I

15 Hrs.

Business Communication: Meaning – Importance of Effective Business Communication-Modern Communication Methods – Business Letters : Need – Functions - Kinds - Essentials of Effective Business Letters - *Layout*.

#### UNIT – II

15 Hrs.

Trade Enquiries - Orders and their Execution - Credit and Status Enquiries – Complaints and Adjustments - Collection Letters – *Sales Letters* – Circular Letters.

#### UNIT – III

15 Hrs.

**Banking Correspondence** - *Insurance Correspondence* - **Agency Correspondence**.

#### UNIT – IV

15 Hrs.

Company Secretarial Correspondence (Includes Agenda, *Minutes* and Report Writing)

#### UNIT – V

15 Hrs.

Application Letters – Preparation of Resume - Interview: Meaning – Objectives and Techniques of various types of Interviews – **Public Speech** – Characteristics of a good speech – **Business Report Presentations**.

**Note:** *Italics* denotes self study topics.

**Skill Based Component:** (Not for End Semester Examination)

- Collection of Company Meeting Notices (AGM) from the Company Annual Reports.
- Collection of Letters to the Editors from various Newspapers on ‘Current Issues’.
- Collection of Resolutions to be passed in the AGM from Company Annual Reports.

#### TEXT BOOK

1. **RajendraPal &Korlahalli**, *Essentials of Business Communication*, Sultan Chand & Sons, New Delhi,30<sup>th</sup> Revised Edition,2013.

#### BOOKS FOR REFERENCE

1. **Ramesh, MS, & C. C Pattanshetti**, *Business Communication*, S.Chand & Co, New Delhi, 26<sup>th</sup> Edition, 2006.
2. **Rodriquez M V**, *Effective Business Communication*, Concept Publishing Company, New Delhi, 13<sup>th</sup> Revised Edition,2003.

## SEMESTER – V

### Core – Visual Basic.NET

**Instructional Hrs. : 60**

**Sub. Code : 16CEUC513**

**Max. Marks : CIA -25; ESE -75**

**Credits: 3**

**Objectives:** After the successful completion of this paper , the student able to design programming for windows Applications

#### **Unit I**

**12 Hrs.**

**Introduction to visual Basic.Net** : Adding an Event procedure – Adding controls – Focus on program design & Implementation . **Data ad Operations:** *Data types* – Arithmetic operations and strings – variables and Declaration statements – Named Constants – Assignment Statements only

#### **Unit II**

**12 Hrs.**

**Controlling Input & Output:** Interactive user Input. Selection: Selection controls – Logical operators – *The if – then – else structure* – The Select Case Structure

#### **Unit III**

**12 Hrs.**

**Repetition structures** : *Do while loop* – The Do until Loop – For/Next Loops – Nested Loops . **Sub and Function Procedures** : Sub procedure – Passing arguments by value and by reference – function procedure

#### **Unit IV**

**12 Hrs.**

**Structured Data** : *One-dimensional Arrays* – Dynamic Arrays – Multi-dimensional arrays – Menus – Menu Items & Context Menus – File Dialog controls

#### **Unit V**

**12 Hrs.**

**Accessing Databases** : Introduction to Database – Using ADO.NET with visual Basic – Updating a Dataset – Creating Dataset using SQL

**Note :** *Italics* denote topics for self study.

#### **TEXT BOOK**

1. **Gary J.Bronson , David Rosenthal** , *Introduction to Programming with visual Basic.NET* , Viva books ,India, 1<sup>st</sup> edition,2008

#### **BOOKS FOR REFERENCE**

1. **CourseKit VikasGupta & Kogent Solutions Inc**, *Comdex.NET Programming* Dreamtech Press, New Delhi , 2007
2. **Radhaganesan.P** , *Vb.Net*, Scitech Pubiation Pvt Ld , First Edition Reprint ,2012
3. **Steven Hozner** , *Visual Basic .NET programming* , Black Book , Dreantech press , New Delhi , 1<sup>st</sup> edition Reprint,2013

**SEMESTER – V**  
**Computer Application Practicals - IV**  
**VB.NET**

**Instructional Hrs. : 60**

**Sub. Code : 16CEUCP04**

**Max. Marks : CIA -40; ESE -60**

**Credits:3**

**Objectives:** To enable the students to design a programming language for windows applications

1. Design a form to calculate the value of goodwill of a firm by super profit method by using function concept
2. Create an application using common dialog control to open and save file
3. Design a form to purchase department of a company using ADO control
4. Design a purchase form for a bookshop using ADO control ad create database using SQL.
5. Design a notepad using menus.
6. Design a project to generate the annual report of a company using crystal report.
7. Develop a simple project on loan management using combo box.
8. Create a railway reservation document using Group box.
9. Develop a simple project for automatic banking operations.
10. Create a project for an Inventory details using array.

## SEMESTER – V

### Skill Based Subject –Soft Skill Development

Instructional Hrs: 45

Sub. Code: 16CEUS503

Max. Marks: CIA -25; ESE -75

Credits: 3

**Objectives** : After the successful completion of the course the students should have basic knowledge about the essential acts of Business.

#### UNIT I

9 Hrs.

**Soft Skill:** Meaning - *Importance* – attributes regarded as soft skills – Practicing soft skills

#### UNIT II

9 Hrs.

**Self Discovery:** Introduction – *Importance* – Process- SWOT Analysis.

#### UNIT III

9 Hrs.

**Attitude:** Meaning – features – ways of changing attitude – power of positive attitude – benefits – obstacles in developing positive attitude – *Negative attitude*.

#### UNIT IV

9 Hrs.

**Career Planning:** Introduction – benefits – *guidelines* - ways for successful career planning.

#### UNIT V

9 Hrs.

**Listening and Reading Skills:** Listening – benefits – *kinds* – factors that hamper listening. Reading – benefits – types – rates of reading.

**Note:** *Italics* denotes Self Study Topics.

#### TEXT BOOK

1. **Dr.K.Alex**, *Soft Skills*, S.Chand & Company Ltd, New Delhi, Second revised Edition,2011

#### BOOKS FOR REFERENCE

1. **Gobala Swamy Ramesh,MahaDevan Ramesh**, *An ace to Soft Skills* , Pearson Education,New Delhi,3<sup>rd</sup> Impression,2012.
2. **Jeff Butterfield**, *Soft skills for Everyone*, Cengage learning, New Delhi,1<sup>st</sup> Edition, 2011
3. **Alex.X**, *Soft skills: Know yourself and know the world*, S.Chand & Company Ltd, New Delhi, 1<sup>st</sup> Edition , 2010



## SEMESTER – VI

### Core – Web Programming

**Instructional Hrs. : 90**

**Sub. Code : 16CEUC614**

**Max. Marks : CIA -25; ESE -75**

**Credits: 4**

**Objectives:** After the successful completion of the course the student must know the concepts of Internet and design a web page.

**Unit I** **18 Hrs.**

Introduction to Internet – Internet Technologies – *Internet Browsers* – Introduction to HTML

**Unit II** **18 Hrs.**

Head and Body Sections – Designing the Body section – Ordered and Unordered lists – *Table Handling*

**Unit III** **18 Hrs.**

DHTML and Style Sheets – *Frames* – **A Web Page Design Project** - Forms

**Unit IV** **18 Hrs.**

Introduction to Scripting : JavaScript – *Introduction to Scripting* – Arithmetic – Decision Making: Control Structures – if selection statement – if...else Selection Statement – While Repetition Statement – Assignment Operators – Increment and Decrement operators – Essentials of counter- controlled repetition – for repetition Statement – switch Multiple Selection Statement – Do ... While Repetition Statement – The Break and Continue Statement – *Logical Operators*- Functions : Program Modules in JavaScript – Programmer – Defined Functions – Function Definitions

**Unit V** **18 Hrs.**

Java Evolution: Java features - Java Environment-Overview of Java Language: Introduction-Simple Java program-More of Java - An application with two classes - Java program structure - Implementation of a Java program - Java virtual machine - Command line arguments.

**Note:** *Italics* denote topics for self study

#### TEXT BOOKS

1. **Xavier . C** , *World Wide Web design with HTML* , Tata McGraw Hill Publishing Company Limited , New Delhi , 3<sup>rd</sup> Edition, 2001.
2. **P.J. Deitel& H.M. Deitel**, *Internet and World Wide Web – How to Program* , Prentice Hall of India, New Delhi, 4<sup>th</sup> Edition, 2009.
3. **E.Balagurusamy** , *Programming with Java* , Tata McGraw Hill Publishing Company Limited, New Dehi , 5<sup>th</sup> Edition, 2005.

## **BOOKS FOR REFERENCE**

1. **Deitel,Deitel & Neito** , *XML – How to program* , Pearson Education , New Delhi, Second Reprint, 2009.
2. **Thomas A. Powel**, *HTML:The Complete Reference* , Tata McGraw Hill, 2<sup>nd</sup> Edition, 2000.
3. **Shelly Powers Etal** , *Dynamic Web Pubishing* ,Techmedia , New Delhi , 2<sup>nd</sup> Edition , 2009.

**SEMESTER – VI**  
**Core Practical – Computer Application Practicals - V**  
**Web Programming**

**Instructional Hrs. : 90**

**Sub. Code : 16CEUCP05**

**Max. Marks : CIA -40; ESE -60**

**Credits:3**

1. **Create web pages for a business organization using HTML Frames.**
2. Create a Program using HTML to display the ordered list and unordered list of a Departmental Store.
3. Program to display Image and text using HTML tag for an advertisement of a Company Product.
4. Create a table to display list of products using HTML Tag.
5. Create a document using Formatting and alignment to display Sales Letter.
6. Create a Resume using HTML Tag.
7. Create a website of your department with minimum five links using HTML.
8. Create a document using Form to support Local Processing of Order form.
9. Create a Form of the Customer Survey for the user to enter General name and address information.
10. Create a Frame to display a multiform document.

## SEMESTER – VI

### Elective – E-Banking and Practice

Instructional Hrs. : 60

Sub. Code : 16CEUE602

Max. Marks : CIA -25; ESE -75

Credits: 5

**Objectives** : On successful completion of this course, the student should be able to understand basic concepts in the prevailing act.

#### UNIT –I

12 Hrs.

**Electronic Banking** : Introduction – Concept and meaning – Traditional Banking Vs E-Banking – Facets of E-Banking – E-Banking transactions – Models for E-Banking – Features – *Advantages and constraints in E-Banking.*

#### UNIT-II

12 Hrs.

**Electronic Delivery Channels**: Need for computerization – *Automatic teller machine (ATM)* - Recyclers– Electronic Fund transfer (EFT ) – NEFT/RTGS/IMPS – uses – computerization in clearing houses – Tele banking – Banking on home computers – Electronic Money Transfer – uses of EMT.

#### UNIT-III

12 Hrs.

**Updating Bank saving accounts** – Computer bank branches – Financial Transaction Terminals – (FTT) – *E-Cheque* – Cheque Truncation System (CTS) - E-Banking in India.

#### UNIT-IV

12 Hrs.

**E-Banking Security** : Introduction - need for security – security concepts – Privacy – Survey – Cyber crimes – Tampering – Encryption – Meaning – The encryption process – Cryptography– *Cipher*- Decipher- Code systems- Data Encryption standard (DES)

#### UNIT-V

12 Hrs.

**E-Security solutions** – solution providers-E-Locking technique - E-locking services – Transaction Security – security devices - Public key Infrastructure (PKI)- Firewalls secure Ledger (FSL) – Secure Electronic Transaction (SET)

**Note:** *Italics denote topics for self study.*

**Skill based component** (Not for End of Semester Examinations)

- Visit to bank and know the procedures of activates various E-Payment Systems.
- Make any purchase through any one of the E-Payment system

#### TEXT BOOK

1. **C.S Rayudu**, *E-Business*, Himalaya Publishing House, New Delhi, 1<sup>st</sup>Edition, 2017

**BOOKS FOR REFERENCE:**

1. **Roger Hunt & Joh Shelly** , *Computers and Commonsense*, Englewood Cliffs . N.J, Prentice Hall, New Delhi, 4<sup>th</sup> Edition , 1988.
2. **Bhushan Dewan** , *E\_Commerce*, S.Chand Publications, New Delhi, 2001.