

BA (Computer Application)

SEM III

S. No.	Paper Code	Paper Name
1.	BA 301	Programming & Problem Solving Through C++
2.	BA 302	Practical (C++) Elective Paper

SEM IV

S. No.	Paper Code	Paper Name
1.	BA 401	Operating System using DOS and Windows
2.	BA 402	Management Information System

SEMESTER III

Paper Code: BA 301

Paper Name: Programming & Problem Solving Through C++

Paper No.: I

Subject: Computer Application

UNIT-I

OOP concept, Procedural vs OOP Programming, OOP terminology and features, Tokens, Character set, Keywords, Data-types Declarations, Constants and variables, Expressions, Standard Library and header files, Operator and Expressions; Arithmetic Operator, Increment/Decrement Operator, Relational Operator, Logical Operator and Conditional Operators, Logical Expression, C++ shorthand.

Lectures:07

UNIT-II

Flow of control statement; Selection statement, Iteration Statement, Jump statement, Construction of loops and implementation, while, Do-while, for statements nested loops, if-else, switch. Classes and Objects: Need for Classes, Declarations of Classes, referencing class Members, Scope of Class and Its members Nested Classes, Functions in a class.

Lectures:08

UNIT-III

Functions, function definition, Default arguments, Constants arguments, Call by value, Call by reference, Calling Functions with arrays, returning from a function, storage class specifies and variables, storage class specifies and functions automatic, external and static variables,

Lectures:08

UNIT-IV

Arrays two dimensional and multidimensional arrays, Constructors and Destructor: Declaration, Definition and characteristics, function overloading, Inheritance: Need, Different forms, single Inheritance, Multiple Inheritance.

Lectures:07

Lectures:30

Text Book:

1. Introduction to C++, E. Balaguruswamy
2. Let us C++, Yashavant Kanetkar

Reference Book:

1. C++, Sumita Arora

SEMESTER III
Paper Code: BA 302
Paper Name: Practical (C++)

SEMESTER IV

Paper Code: BA 401

Paper Name: Operating System using DOS & Windows

Paper No.: I

Subject: Computer Application

UNIT-I

Operating system, Introduction to OS, Function of OS-Process Management, Device Management, Memory Management, Information Management, Types of an operating system introduction to MS DOS ;Booting, Components of MS DOS,MS DOS Internal & External commands.

Lectures:07

UNIT-II

DOS commands, Directory commands: Working with Directory, Dir, md, cd, rd, Tree, Path. File Management in DOS-Introduction to files, File Management commands: Copy, Del, Rename, Xcopy, ATTRIB, Backup, Restore General Commands - Type data Time Prompt.

Lectures:07

UNIT-III

Disk Management commands- Format, Sys, Chkdsk, Diskcopy, Label, and Vol. DOS Utility Commands- Move, Deltree, Scandisk, Setver, Undelete, Unformat. Introduction to batch files; running and stopping batch files.Pactical(Internal and External Commands)

Lectures:09

UNIT-IV

Windows Basics, Introduction to graphical user interface; The Desktop, the taskbar, the start button the title bar, control panel wizards, find feature properties, Quick view, Right clicking, Font Management Entertainment, Games, System tools, Calculator, calendar, card file, character Map, Imaging. Windows Features, My Computer Icon, Window Explorer Notepad, paint, folders, shortcuts, Accessibility, Email, Net Meeting, front page express.

Lectures:07

Total Lectures:30

Text Book:

1. Dos 6.0 & 6.2 by Robert Thomas
2. Fundamental of Computers – Sinha & Sinha (BPB)

SEMESTER IV

Paper Code: BA 402

Paper Name: Management Information System

Paper No.: II

Subject: Computer Application

UNIT I

Foundation of Information Systems: Introduction to information system in business, fundamentals of information systems, Solving business problems with information systems,(02 Lectures) Types of information systems, Effectiveness and efficiency criteria in information system.(04 Lectures)

Lectures:06

UNIT II

An overview of Management Information Systems: Definition of a management information system, MIS versus Data processing, (03 Lectures) MIS & Decision Support Systems, MIS & Information Resources Management,(03 Lectures) End user computing, Concept of an MIS, Structure of a Management information system.(02 Lectures)

Lectures:08

UNIT III

Business applications of information technology: Internet & electronic commerce, Intranet, Extranet & Enterprise Solutions,(03 Lectures) Information System for Business Operations, Information System for Managerial Decision Support, Information System for Strategic Advantage.(04 Lectures)

Lectures: 10

UNIT IV

Advanced Concepts in Information Systems: Enterprise Resource Planning, Supply Chain Management,(03 Lectures) Customer Relationship Management, and Procurement Management.(03 Lectures)

Lectures:06

Total Lectures:30

Text Books

1. O Brian, "Management Information System", TMH
2. Gordon B. Davis & Margrethe H. Olson, "Management Information System", TMH.

References

1. O Brian, "Introduction to Information System", MCGRAW HILL.
2. Murdick, "Information System for Modern Management", PHI.
3. Jawadekar, "Management Information System", TMH.
4. Jain Sarika, "Information System", PPM
5. Davis, "Information System", Palgrave Macmillan
6. C.S.V. Murthy "Management Information System"