

A. COURSE OUTCOMES (COs) Of UG COURSES

COURSE OUTCOMES (COs) of Bachelor of Arts (B.A.)

1. FYBA Compulsory English

1. Make students aware of the different communicative skills, and to develop among them an ability to effectively communicate in English, both in written and spoken modes.
2. Develop linguistic and pragmatic competence among the students and to prepare them to develop competence for self-learning.
3. Encourage and enable the students to read the various types of texts on their own and discuss them among peers.

2. FYBA Marathi General Paper-1 (G1)

Sahityik Marathi/ Vyavaharik ani Upyojit Marathi

1. Introduce students to Marathi literature, language and culture.
2. Create interest in Marathi literature.
3. Develop the literary taste of students.
4. Cultivate ability to appreciate literature.
5. Connect literature to real life experience.
6. Understand various branches and movements of Marathi literature.
7. Develop linguistic skills to meet the requirements in the age of globalization.
8. Importance of language in personality developments.

3. FYBA Optional English (G1)

English General-I

1. Acquaint the students with the Minor Forms of literature.
2. Initiate students into the first-hand experience of reading literary texts.
3. Encourage and enable them to read the various types of texts independently and discuss them among peers.
4. Impart the skills and develop the ability among them to use English language.

4. FYBA History General Paper-1 (G1)

Shivaji and His Times (1630-1760) (1177)

1. Introduce innovative study techniques in the study of History of Maratha to make it value based, conceptual and thought provocative.
2. Introduce International elements in the study of Marathas to facilitate comparative analysis of this history.
3. Highlight the importance of past in exploration of present context.
4. Understand the Socio –economic, cultural and political background of 17th century Maharashtra.
5. Increase the spirit of healthy Nationalism & Secularism among the student.

5. FYBA Geography General Paper-

1(G1) Physical Geography (110)

1. Introduce the basic concepts in Physical Geography.
2. Acquaint with the utility and application of Physical Geography in different areas and

environment

3. Make the students aware of the need of protection and conservation of different landforms.

6. FYBA Economics General Paper-1(G1)

Indian Economics: Problems & Prospects (1157)

1. Students will be initiated into various economic concepts.
2. Understand the techniques of mathematical and statistical analysis.
3. Develop practical skill and to the different skill and abilities of students.
4. Do practical work in different modules on regional economic aspects.
5. Understand and analyze economic problems.

7. SYBA Compulsory English

1. Develop competence among the students for self-learning
2. Familiarize students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English
3. Develop students' interest in reading literary pieces
4. Expose them to native cultural experiences and situations in order to develop humane values and social awareness
5. Develop overall linguistic competence and communicative skills of the students

8. SYBA Marathi General Paper-2 (G2)

Sahitik Marathi/Vhyahvarik and Upyojit Marathi

1. Introduce standard writing practices.
2. Develop the skill of translation.
3. Understand aspects of Biography and Autobiography.
4. Develop ability to appreciate and evaluate selected Biographies and Autobiographies in modern Marathi literature.

9. SYBA Marathi Special Paper-1 (S1)

Marathi Sahityatil Vividh Sahityaprakar

(Types in Marathi Literature)

5. Provide basic knowledge of Marathi literature.
6. Introduce literary classics of different historical periods.
7. Create and cultivate taste in Marathi literature.
8. Create perspectives to analyze, evaluate and appreciate literary texts.
9. Develop ability for in-depth study of literature.

10. SYBA Marathi Special Paper-2 (S2)

Arvachin Marathi Wangmayacha Abhayas

(Ancient Marathi Literature)

10. Study of the history of Marathi literature.
11. Clarify the concept of literary history.
12. Introduce the nature, source and types of Marathi literature from 1818 to 1960.

13. Introduce the major Marathi writers and their works from 1818 to 1960.

11.SYBA General English Paper-II (G2)

Study of English Language and Literature

- a. To expose students to the basics of short story, one of the literary forms
- b. Familiarize students with different types of short stories in English
- c. Understand the literary merit, beauty and creative use of language
- d. Introduce some advanced units of language so that they become aware of the technical aspects and their practical usage
- e. Prepare students to go for detailed study and understanding of literature and language
- f. Develop integrated view about language and literature in them

12. SYBA English Special Paper-I (S1)

Appreciating Drama

- a. Acquaint and familiarize students with the terminology in Drama Criticism (i.e. the terms used in Critical Analysis and Appreciation of Drama)
- b. Encourage students to make a detailed study of a few sample masterpieces of English Drama from different parts of the world
- c. Develop interest among the students to appreciate and analyze drama independently
- d. Enhance students awareness in the aesthetics of Drama and to empower them to evaluate drama independently

13.SYBA English Special Paper-II (S2)

Appreciating Poetry

- a. Acquaint and familiarize the students with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)
- b. Encourage students to make a detailed study of a few sample masterpieces of English poetry.
- c. Enhance students' awareness in the aesthetics of poetry and to empower them to read, appreciate and critically evaluate the poetry independently.

14. SYBA History General Paper-II (G2)

Modern India (1857-1950) (2177)

- a. Help students to know- History of freedom movement of India, aims, objectives, problems and progress of Independent India.
- b. Enable students to understand the processes of rise of modern India.
- c. Acquaint students with fundamental aspects of Modern Indian History.
- d. Explain the basic concepts/ concerns/ frame work of Indian History.

15.SYBA History Special Paper-I (S1)

Ancient India (3000 B.C. to 1206 AD) (2178)

- a. Survey the sources of History of Ancient India.
- b. Provide an Understanding of the social, economic, religious and institutional bases of Ancient India.

- c. Study an ancient Indian agriculture, Industry, trade.
- d. Study the development of the concept of Nation- State background of political history.
- e. Study ancient Indian Art & Architecture.

16. SYBA History Special Paper-II (S2)

Medieval India (1206-1707 AD) (2179)

- a. To survey the sources of History of medieval India.
- b. Provide an understanding of the social, economic, religious bases of medieval India.
- c. Study medieval Indian art & architecture.

17. SYBA Economics General Paper-II (G2)

Modern Banking (2158)

- a. Create awareness among students about Modern Banking System.
- b. Banking constitutes important components towards understanding of economics.
- c. Clear understanding of the operations of banking.
- d. Knowledge of New Technology in Banking.

18. SYBA Geography General Paper-II (G2)

Climatology

- a. Introduce the students to the basic principles and concepts in Climatology and Oceanography.
- b. Acquaint the students with the applications of Climatology and Oceanography in different areas and environment.
- c. Make students aware of the Planet Earth and thereby to enrich the student's knowledge.

19. TYBA Compulsory English

- a. Introduce students to the best uses of language in literature.
- b. Familiarize students with the communicative power of English
- c. Enable students to become competent users of English in real life situations
- d. Expose students to varied cultural experiences through literature
- e. Contribute to students overall personality development by improving their communicative and soft skills

20. TYBA Marathi General Paper-3 (G3)

(Modern Marathi Literature and Functional Marathi)

- a. Introduce various movements in Modern Marathi literature.
- b. Generate interest in modern Marathi literature among students.
- c. Provide close understanding of selected literary texts.
- d. Introduce students to media.
- e. Develop skill in preparing materials for media including Newspaper, Radio and TV.

21. TYBA Marathi Special Paper-3 (S3)

Sahityavicha (Literary Criticism)

- a. Explain the nature and function of literature.
- b. Explain the nature of the process of literary creation and the concept of literary genus.
- c. Analyze the process of literary appreciation.
- d. Provide knowledge of some fundamental concepts in literary appreciation.

22. TYBA Marathi Special Paper-4 (S4)

- a. Understand the original development of Marathi language in the light of linguistic theories.
- b. Understand the evolution of Marathi language.
- c. Study the basic features of Marathi language.
- d. Introduce students to historical and descriptive linguistics.

23. TYBA General English III (G3)

Advanced Study of English Language and Literature

- a. Expose students to some of the best samples of Indian English Poetry
- b. Make students see how Indian English poetry expresses the ethos and culture of India
- c. Understand creative uses of language in Indian English Poetry
- d. Introduce students to some advanced areas of language study
- e. Prepare students to go for detailed study and understanding of literature and language
- f. Develop integrated view about language and literature among the students

24. TYBA English Special Paper III (S3)

Appreciating Novel

- a. Introduce students to the basics of novel as a literary form
- b. Expose students to the historical development and nature of novel
- c. Make students aware of different types and aspects of novel
- d. Develop literary sensibility and sense of cultural diversity in students
- e. Expose students to some of the best examples of novel

25. TYBA English Special Paper IV (S4)

Introduction to Literary Criticism

- a. Introduce students to the basics of literary criticism
- b. Make students aware of the nature and historical development of criticism
- c. Make them familiar with the significant critical approaches and terms
- d. Encourage students to interpret literary works in the light of the critical approaches
- e. Develop an aptitude for critical analysis.

26. TYBA History General Paper III (G3)

History of the World in 20th Century (1914-1992) (3177)

- a. Help students to know Modern World and acquaint with the Socio- economic & Political developments in other countries. And understand the contemporary world in

- the light of its background History.
- b. To orient the students with political history of Modern World.
 - c. Acquaint with the main developments in the Contemporary World (Understand the important development in the 20th century World.)
 - d. Impart knowledge about world concepts.
 - e. Enable students to understand the economic transition in World during the 20th Century.

27. TYBA History Special Paper III (S3)

Introduction to History (3178)

- a. Orient students about how history is studied, written and understood.
- b. Explain the methods and tools of data collection
- c. Understand the meaning of Evolution of Historiography.
- d. Study the Various Views and approaches to Historiography.
- e. Study the types of Indian Historiography.

28. TYBA History Special Paper IV (S4)

History of Asia in 20th Century (1914-1992) (3179)

- a. Orient students with political history of Asia.
- b. Enable students to understand the economic transition in Asia during 20th Centuries.
- c. Understand the important developments in the 20th century Asia in a thematic approach.
- d. Provide students with an overall view and broad perspective about different movements connected with Nationalist aspirations in the region of Asia in general.
- e. Empower students to cope with the challenges of globalization.

29. TYBA Geography General Paper III (G3)

Human Geography (Gg.310)

- a. Acquaint students with the nature of man environment relationship and human capability to adopt and modify the environment under its varied conditions from primitive life style to the modern living.
- b. Identify and understand environment and population in terms of their quality and spatial distribution pattern.
- c. Comprehend the contemporary issues facing the global community.

30. TYBA Economics General Paper III (G3)

Economic Development & Planning (3157)

- a. Analyze chronic problems of narrow economic base, inefficiency and low standard of living.
- b. Provide the basic concept of Economics Development.

- c. Knowledge of Economic Development & Planning.
- d. Provide the details Knowledge of economic development theories.

COURSE OUTCOMES (COs) of Bachelor of Commerce (B.Com.)

A. F.Y.B.Com.

1. Compulsory English

Course Code: 101

1. Introduce students with good pieces of prose and poetry so that they realize the beauty and communicative power of English
2. Expose Students to native cultural experiences and situations so that they understand the importance and utility of English language
3. Develop overall linguistic competence and communicative skills among the students
4. Develop oral and written communicative skills among the students

2. Financial Accounting

Course Code: 102

1. Impart knowledge of various accounting concepts
2. Knowledge about accounting procedures, methods and techniques.
3. Acquaint with practical approach to account writing by using software package.

3. Business Economics (Micro)

Course Code: 103

1. Expose students of Commerce to basic micro economic concepts and inculcate an analytical approach to the subject matter.
2. Stimulate students' interest by showing the relevance and use of various economic theories.
3. Apply economic reasoning to problems of business.

4. Business Mathematics and Statistics

Course Code: 104 (A)

1. Prepare for competitive examinations
2. Understand the concept of Simple interest, compound interest and the concept of EMI
3. Understand the concept of shares and to calculate Dividend
4. Understand and to calculate various types of averages and variations.
5. Understand the concept and application of profit and loss in business.
6. Solve LPP to maximize the profit and to minimize the cost.

5. Optional Group

i. Banking and Finance [Fundamentals of Banking]

Course Code: 105 – b

1. To acquaint the students with the fundamentals of banking.
2. To develop the capability of students for knowing banking concepts and operations.
3. To make the students aware of banking business and practices.

4. To give thorough knowledge of banking operations.
5. To enlighten the students regarding the new concepts introduced in the banking system

6. Optional Group

i. Marketing and Salesmanship [Fundamentals of Marketing]

Course Code: 106 – c

- 1) General Objectives of the Paper:
 - a) To create awareness about market and marketing.
 - b) To establish link between commerce/Business and marketing.
- 2) Core Objectives of the paper.
 - a) To understand the basic concept of marketing.
 - b) To understand marketing philosophy and generating ideas for marketing research.
 - c) To know the relevance of marketing in modern competitive world.
 - d) To develop an analytical ability to plan for various marketing strategy.

7. Additional Paper

i. Additional Marathi

Course Code: 107

1. Introduce commerce students to conduct business transactions in Marathi.
2. Clarify the role of Marathi as a medium of trade and commerce.
3. Develop ability to use mass media and communication to learn and teach Marathi.
4. Develop ability to write for media.
5. To sensitize students about the importance of Marathi in official, administrative and academic spheres.

B. S.Y.B. Com.

a. Compulsory Papers

1. Business Communication

Course Code: 201

1. Understand the concept, process and importance of communication.
2. Develop awareness regarding new trends in business communication.
3. Provide knowledge of various media of communication.
4. Develop business communication skills through the application and exercises.

2. Corporate Accounting

Course Code: 202

1. Create awareness about Corporate Accounting in conformity with the provisions of Companies Act and Accounting as per Indian Accounting Standards.
2. Make aware about the conceptual aspect of corporate accounting
3. Enable students to develop skills for Computerized Accounting
4. Enable students to develop skills about accounting standards

3. Business Economics (Macro)

Course Code: 203

1. Familiarize the students the basic concept of Macro Economics and application.

2. Study the behavior of the economy as a whole.
3. Study the relationship among broad aggregates.
4. Apply economic reasoning to problems of the economy.

4. Business Management

Course Code: 204

1. Provide basic knowledge & understanding about business management concept.
2. Understand various functions of management.

5. Elements of Company Law

Course Code: 205

- 1) Impart knowledge of fundamentals of Company Law.
- 2) Update the knowledge of provisions of the Companies Act of 2013.
- 3) Apprise students about new concepts involving in company law regime.
- 4) Acquaint with the duties and responsibilities of Key Managerial Personnel.
- 5) Impart students with the provisions and procedures under company law.

b. Special Paper I

i. Banking & Finance

Course Code: 206 – b

1. Create awareness among the students of Indian banking system.
2. Enable students to understand the reforms and other developments in the India Banking
3. Provide students insight into the functions and role of Reserve Bank of India.

C .T.Y. B.Com.

1. Business Regulatory Framework (Mercantile Law) Course Code: 301

1. Acquaint students with the basic concepts, terms & provisions of Mercantile and Business Laws.
2. Develop the awareness among the students regarding these laws affecting business, trade and commerce.

2. Advanced Accounting

Course Code: 302

1. Impart knowledge of various accounting concepts
2. Instill knowledge about accounting procedures, methods and techniques.
3. Acquaint with practical approach to accounts writing by using software package.

3. Indian & Global Economic

Development Course Code: 303 -a

- 1) Expose students to a new approach to the study of the Indian Economy.
- 2) Help students in analyzing the present status of the Indian Economy.
- 3) Enable students to understand the process of integration of the Indian Economy with other economics of the world.
- 4) Acquaint students with the emerging issues in policies of India's foreign trade.

4. Banking & Finance Special Paper II Financial Markets and Institutions in India

Course Code: 305 – b.

1. Acquaint the students with Financial Markets and its various segments.
2. Understand the operations and developments in financial markets in India.
3. Enable students to gain an insight into the functioning and role of financial institutions in the Indian Economy.

5. Auditing and Taxation

Course Code: 304

1. Acquaint with the concept and principles of Auditing, Audit process, Assurance Standards, Tax Audit, and Audit of computerized Systems.
2. Get knowledge about preparation of Audit report.
3. Understand the basic concepts and to acquire knowledge about Computation of Income, Submission of Income Tax Return, Advance Tax, and Tax deducted at Source, Tax Collection Authorities under the Income Tax Act, 1961.

6. Banking & Finance Special Paper III Banking Law and Practices in India

Course Code: 306 – b

1. Acquaint students with Banking Law and Practice in relation to the Banking system in India
2. Understand the legal aspects of Banking transactions and its implications as Banker and Customer.
3. Make Students aware of the Banking Law and Practice in India

F.Y.B.Sc.(Computer Science)

Mathematics

1. Enable students to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays, state important facts resulting from their studies.
4. Get knowledge of a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
5. Get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.
6. Enable students to apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.
7. Make aware of history of mathematics and hence of its past, present and future role as part of our culture.

F.Y. B. Sc. (Computer Science)

1. To develop problem solving abilities using a computer
2. To build the necessary skill set and analytical abilities for developing computer based solutions for real life problems.
3. To imbibe quality software development practices.
4. To create awareness about process and product standards
5. To train students in professional skills related to Software Industry.
6. To prepare necessary knowledge base for research and development in Computer Science
7. To help students build-up a successful career in Computer Science

Problem Solving Using Computers and 'C' Programming

1. To develop Problem Solving abilities using computers
2. To teach basic principles of programming
3. To develop skills for writing programs using 'C'

File Organization and Fundamental of Databases

1. To understand data processing using computers
2. To teach basic organization of data using files
3. To understand creations, manipulation and querying of data in databases

Electronics

1. To provide in-depth knowledge of scientific and technological aspects of electronics
2. To familiarize with current and recent technological developments
3. To enrich knowledge through programmes such as industrial visits, hobby projects, market survey, projects etc.
4. To train students in skills related to electronics industry and market.
5. To create foundation for research and development in Electronics
6. To develop analytical abilities towards real world problems
7. To help students build-up a progressive and successful career in Electronics

6. F.Y. B. Sc. (Computer Science)

Paper I

ELC-101: Principles of Analog Electronics

1. To get familiar with basic circuit elements and passive components

2. Understand DC circuit theorems and their use in circuit analysis
3. Study characteristic features of semiconductor devices
4. Study elementary electronic circuits and applications
5. Understand basics of operational amplifiers.

Paper II

ELC-102: Principles of Digital Electronics

1. Get familiar with concepts of digital electronics
2. Learn number systems and their representation
3. Understand basic logic gates, boolean algebra and K-maps
4. Study arithmetic circuits, combinational circuits and sequential circuits
5. Study comparative aspects of logic families.

7. Mathematics

S. Y. B. Sc. (Comp. Sc.)

1. A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays, state important facts resulting from their studies.
2. A student should get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
3. A student should get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.
4. A student be able to apply their skills and knowledge, that is, translate information Presented.

17. S.Y.B. Sc. Computer Science (Electronics)

Electronics –Semester I

Paper - I: Digital System Hardware (ELC 211)

1. To study the applications of logic gates.
2. To use K-maps for digital circuit design.
3. To study and understand basics of microprocessors
4. To understand fundamentals of multicore technology

Electronics-Semester I

Paper-II: Analog Systems (ELC 212)

- 1) To understand basics of analog electronics

- 2) To study different types of sensors
- 3) To understand different types of signal conditioning circuits
- 4) To learn data conversion techniques
- 5) To apply knowledge of analog systems in different applications

Electronics- Semester II

Paper-I: The 8051 Architecture, Interfacing & Programming (ELC 221)

1. To study the basics of 8051 microcontroller
2. To study the Programming and interfacing techniques of 8051
3. To apply knowledge of 8051 to design different application circuits
4. To introduce the basic concepts of advanced Microcontrollers

Electronics-Semester II

Paper- II: Communication Principles (ELC 222)

1. To understand basics of communication systems.
2. To understand modulation, demodulation and multiplexing of signals.
3. To understand digital communication techniques
4. To introduce concepts in advanced wireless communication

Electronics

Paper- III: Practical Course (ELC-203)

1. To use basic concepts for building various applications in electronics.
2. To understand design procedures of different electronic circuits as per requirement.
3. To build experimental setup and test the circuits.
4. To develop skills of analyzing test results of given experiments.

S.Y.B.Sc. Computer Science

1. To develop problem solving abilities using a computer
2. To build the necessary skill set and analytical abilities for developing computer based solutions for real life problems.

3. To imbibe quality software development practices.
4. To train students in professional skills related to Software Industry.

S.Y.B.Sc. Computer Science Theory Paper I

Semester – 1

CS 211- DATA STRUCTURES USING ‘C’

1. To learn the systematic way of solving problem
2. To understand the different methods of organizing large amount of data
3. To efficiently implement the different data structures
4. To efficiently implement solutions for specific problems

S.Y.B.Sc. Computer Science Theory paper-II

Semester – I

CS-212-Relational Database Management System

1. To teach fundamental concepts of RDBMS (PL/PgSQL)
2. To teach principles of databases
3. To teach database management operations
4. To teach data security and its importance

CS-223: Data structures Practicals and C++ Practicals

(Semester 1)

1. Design and implement Data structures and related algorithms
2. Understand several ways of solving the same problem.

CS-224: Database Practicals & Mini Project using Software Engineering techniques

(Semester 1)

Database Assignments and Mini Project using Software Engineering techniques

1. Understanding the use of cursors, triggers, views and stored procedures
2. Understanding the steps of system analysis and design
3. Understanding Data requirements for a specific problem domain
4. Designing Data base as per the Data requirements

5. Designing queries as per the functional requirements

S.Y.B. Sc. Computer Science Theory Paper I

Semester II

CS 221 -Object Oriented Concepts using C++

1. Acquire an understanding of basic object oriented concepts and the issues involved in effective class design
2. Write C++ programs that use object oriented concepts such as information hiding, constructors, destructors, inheritance etc

S.Y.B. Sc. Computer Science Theory paper-II

Semester – II

CS - 222: Software Engineering

1. To teach basics of System Analysis and Design.
2. To teach principles of Software Engineering
3. To teach various process models used in practice
4. To know about the system engineering and requirement engineering
5. To build analysis model

T. Y. B. Sc. Computer Science

1. To develop problem solving abilities using a computer
2. To build the necessary skill set and analytical abilities for developing computer based solutions for real life problems.
3. To imbibe quality software development practices.
4. To create awareness about process and product standards
5. To train students in professional skills related to Software Industry.

TITLE OF PAPER: Systems Programming

Code No. : CS-331

1. To understand the design structure of a simple editor.
2. To understand the design structure of Assembler and macro processor for an

- hypothetical simulated computer.
3. To understand the working of linkers and loaders and other development utilities.
 4. To understand Complexity of Operating system as a software.

TITLE OF PAPER: Operating Systems

Code No. : CS-341

1. To understand design issues related to process management and various related algorithms
2. To understand design issues related to memory management and various related algorithms
3. To understand design issues related to File management and various related algorithms

TITLE OF PAPER: Theoretical Computer Science

Code No. : CS-332

1. To have an understanding of finite state and pushdown automata.
2. To have a knowledge of regular languages and context free languages.
3. To know the relation between regular language, context free language and corresponding recognizers.
4. To study the Turing machine and classes of problems

TITLE OF PAPER: Compiler Construction

Code No. : CS-342

1. To understand design issues of a lexical analyzer and use of Lex tool
2. To understand design issues of a parser and use of Yacc tool
3. To understand issues related to memory allocation
4. To understand and design code generation schemes

TITLE OF PAPER: Computer Networks-I

Code No. : CS-333

1. Understand different types of networks, various topologies and application of networks.
2. Understand types of addresses, data communication.
3. Understand the concept of networking models, protocols, functionality of each layer.
4. Learn basic networking hardware and tools.

TITLE OF PAPER: Computer Networks-II

Code No. : CS-343

1. Basic networking concepts.
2. Understand wired and wireless networks, its types, functionality of layer.
3. Understand importance of network security and cryptography.

TITLE OF PAPER: Internet Programming I

Code No. : CS-334

1. Learn Core-PHP, Server Side Scripting Language
2. Learn PHP-Database handling.

TITLE OF PAPER: Internet Programming II

Code No. : CS-344

1. Learn different technologies used at client Side Scripting Language
2. Learn XML,CSS and XML parsers.
3. One PHP framework for effective design of web application.
4. Learn JavaScript to program the behavior of web pages.
5. Learn AJAX to make our application more dynamic

TITLE OF PAPER: Programming in Java-I

Code No. : CS-335

1. To learn Object Oriented Programming language
2. To handle abnormal termination of a program using exception handling
3. To create flat files
4. To design User Interface using Swing and AWT

TITLE OF PAPER: Programming in Java-II

Code No. : CS-345

1. To learn database programming using Java
2. To study web development concept using Servlet and JSP
3. To develop a game application using multithreading
4. To learn socket programming concept

TITLE OF PAPER: Object Oriented Software Engineering

Code No. : CS-336

1. Understanding importance of Object Orientation in Software engineering
2. Understand the components of Unified Modeling Language
3. Understand techniques and diagrams related to structural modeling
4. Understand techniques and diagrams related to behavioral modeling

5. Understand techniques of Object Oriented analysis, design and testing

TITLE OF PAPER: Computer Graphics

Code No. : CS-346

1. To study how graphics objects are represented in Computer
2. To study how graphics system in a computer supports presentation of graphics information
3. To study how interaction is handled in a graphics system
4. To study how to manipulate graphics object by applying different transformations
5. To provide the programmer's perspective of working of computer graphics

TITLE OF PAPER: System Programming & Operating System

Code No. : CS-347

1. Design and implement System programs with minimal features to understand their complexity.
2. Design and implement simulations of operating system level procedures.

TITLE OF PAPER: Lab Course II–Programming in Java

Code No. : CS-348

1. Implement core Java programs to solve simple problems
2. Implement Client and Server end Java programs

TITLE OF PAPER: Lab Course III–Programming in PHP & Project

Code No. : CS-349

1. Implement Simple PHP programs to solve simple problems

B. B.A.(C. A.)

Semester I

Subject Name -: Modern Operating Environment and MS Office

Course Code -: 101

1. To enable the students to acquire knowledge of Modern Operating Environment and MS Office.

Subject Name -: Financial Accounting

Course Code -: 102

1. To enable the students to acquire sound knowledge of basic concepts of accounting
2. To impart basic accounting knowledge

3. To impart the knowledge about recording of transactions and preparation of final accounts
4. To acquaint the students about accounting software packages

Subject Name: Principles of Programming and Algorithms

Course Code: 103

1. To develop Analytical / Logical Thinking and Problem Solving capabilities

Subject Name -: Business Communication

Course Code -: 104

1. To understand the concept, process and importance of communication.
2. To develop an integrative approach where reading, writing, presentation skills are used together to enhance the students' ability to communicate and write effectively.
3. To create awareness among students about Methods and Media of communication.
4. To make students familiar with information technology and improve job seeking skills.

Subject Name -: Principles of Management

Course Code -: 105

1. To provide the fundamental knowledge about working of business organization.
2. To make students well acquainted with management process , functions and principles.
3. To make the students familiar with recent trends in management.

Semester II

Subject Name -: Procedure Oriented Programming using C

Course Code -: 201

2. To develop programming Skill in C Programming Language.

Subject Name -: Database Management Systems

Course Code -: 202

1. To teach fundamental concepts of DBMS
2. To teach principles of databases.
3. To teach database management operations.

Subject Name -: Organizational Behavior

Course Code -: 203

1. To equip the students to understand the impact that individual, group & structures have on their behavior within the organizations.
2. To help them enhance and apply the knowledge they have received for the betterment of the organization.

Subject Name -: Computer Applications in Statistics

Course Code -: 204

1. To understand the power of excel spreadsheet in computing summary statistics.
2. To understand the concept of various measures of central tendency and variation and their importance in business.
3. To understand the concept of probability, probability distributions and simulations in business world and decision making.

Subject Name -: E-Commerce Concepts

Course Code -: 205

1. To understand the concepts and use of e-commerce.

Semester III

Subject Name-: RDBMS (Relational Database Management System)

Course Code-: 301

1. Enables students to understand relational database concepts and transaction management concepts in database system.
2. Enables student to write PL/SQL programs that use: procedure, function, package, cursor and trigger.

Subject Name -: Data Structure Using C

Course Code -:302

1. To understand different methods of organizing large amounts of data
2. To efficiently implement different data structure
3. To efficiently implement solution for different problems
4. To get more knowledge on C programming language

Subject Name -: Introduction to Operating System

Course Code -: 303

1. To know system programming
2. To know services provided by operating system
3. To know the Scheduling concepts

Subject Name: - Business Mathematics

Course Code: - 304

1. A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays ,state important facts resulting from their studies.
2. A student should get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.

Subject Name:- Software Engineering

Course Code:- 305

1. This course enables students to understand system concepts and its application in Software development.

Semester IV

Subject Name:- Object Oriented Programming Using C++

Course Code:- 401

1. Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design.
2. Enables student to write C++ programs that use: object-oriented concepts such as information hiding, constructors, destructors, inheritance.

Subject Name: Programming in Visual Basic

Course Code: 402

1. To learn properties and events, methods of controls and how to handle events of different controls.
2. To understand the use of active controls and how to design VB application
3. To learn connectivity between VB and databases

Subject Name: Computer Networking

Course Code: - 403

1. To know about computer network.
2. To understand different topologies used in networking
3. To learn different types of network.
4. To understanding the use of connecting device used in network.

Subject Name -: Enterprise Resource Planning and Management.

Course Code -:404

1. To know what is ERP.
2. To learn different ERP technologies.

Subject: - Human Resource Management

Course Code: - 405

1. To acquaint the students with the Human Resource Management its different functions in an organization and the Human Resource Processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization.

Semester V

Subject Name -: Java Programming

Course Code -:501

1. To learn the basic concept of Java Programming.
2. To understand how to use programming in day to day applications.

Subject Name: Web Technologies

Course Code: 502

Objectives:

1. To know & understand concepts of internet programming.
2. To understand how to develop web based applications using PHP.

Subject Name -: Dot Net Programming

Course Code -: 503

1. This will introduce visual programming and event driven programming practically.
2. This will enhance applications development skill of the student.

Subject Name : Object Oriented Software Engineering

Course Code: 504

1. To Understand concept of system design using UML.
2. To understand system development through object oriented techniques.

Semester VI

Subject Name: Advanced Web Technologies

Course Code: 601

1. To know & understand concepts of internet programming.
2. To understand the concepts of XML and AJAX.

Subject Name : Advanced Java

Course Code : 602

1. To know the concept of Java Programming.
2. To understand how to use programming in day to day applications.
3. To develop programming logic.

Subject Name : Recent Trends in IT

Course Code : 603

1. To introduce upcoming trends in Information technology.
2. To study Eco friendly software development.

Subject Name : Software Testing

Course Code : 604

1. To know the concept of software testing.
2. To understand how to test bugs in software.
3. To develop programming logic.

Bachelor of Business Administration

(B. B. A.) Semester I

1. Business Organization and Systems

Course code: 101

1. To make the students aware about various activities of business, business practices and recent trends in business world.

2. To study the challenges before the businesses and setting up of a business enterprise.
3. To develop the spirit of entrepreneurship among the students.

2. Business Communication Skills

Course Code: 102

1. To improve various skills such as linguistic, non linguistic and Paralinguistic skills.
2. To develop an integrative approach where reading, writing, oral and speaking components are used together to enhance the students' ability to communicate and write effectively.
3. To create awareness among student about Methods and Media of communication.

3. Business Accounting

Course Code – 103

1. To enable the students to acquire sound knowledge of basic concepts of accounting
2. To impart basic accounting knowledge
3. To impart the knowledge about recording of transactions and preparation of final accounts
4. To acquaint the students about accounting software packages

4. Business Economics (Micro)

Course Code - 104

1. To expose students to basic micro economic concepts.
2. To apply economic analysis in the formulation of business policies.
3. To use economic reasoning to problems of business.

5. Business Mathematics

Course code 105

- 1 To understand applications of matrices in business
2. To understand the concept and application of Permutations & Combinations in business.
3. To use L.P.P. and its applications in business.
4. To understand the concept of Transportation problems & its applications in business world.

6. Business Demography and Environmental Studies

Course Code: 106

1. To develop knowledge base for demographic and environmental factors affecting business.
2. To make the students aware of environmental problems related to business and Commerce.
3. To inculcate values of Environmental ethics amongst the students

Semester II

Subject Name -: Principles of Management

Course Code – 201

1. To provide conceptual knowledge to the students regarding nature, complexity and various functions of management
2. To give historical perspective of management
3. Students will also gain some basic knowledge on recent trends and international aspects of management

Subject Name: Principles of Marketing

Course Code: 202

1. To introduce and familiarize the student's basic concepts of marketing, its general nature, scope and importance.
2. To impart appropriate knowledge and understanding of its primary functions and applications and its gradual evolution and development.
3. To develop basic and essential skills related to marketing.
4. To provide a learning platform for preparing students for marketing employability opportunities essential for industries.

Subject Name: Principles of Finance

Course Code – 203

Objectives:

1. To provide understanding of nature, importance, structure of finance related areas.
2. To impart knowledge regarding sources of finance for a business.

Subject Name: Basics of Cost Accounting

Course Code: 204

1. To Impart the Knowledge of Basic cost concepts, element of cost & preparation of Cost Sheet.
2. To provide basic knowledge of important Methods of costing

Subject Name: Business Statistics

Course code 205

1. To understand the basics of statistics – concept of population and sample & to use frequency distribution to make decision.
2. To understand and to calculate various types of averages and variation.
3. To understand Correlation and use of regression analysis to estimate the relationship between two variables and its applications.

4. To understand the concept - Time Series and its applications in business.
5. To understand the concept - Index numbers and applications in business.

Subject Name : Business Informatics

Course Code – 206

1. To know the basics of Computer
2. To understand the basics of networking
3. To know the basics of internet
4. To know the basics of databases

SEM – III

Subject Name: Personality Development

Course Code –301

1. To make the students aware about the dimensions and importance of effective personality.
2. To understand personality traits and formation and vital contribution in the world of business.
3. To make the students aware about the various dynamics of personality development.

Subject Name : Business Ethics

Course Code –302

1. To impart knowledge of Business Ethics to the students.
2. To promote Ethical Practices in the Business.
3. To develop Ethical and Value Based thought process among the future manager's entrepreneurs.

Subject Name : Human Resource Management and Organizational Behavior

Course Code - 303

1. To introduce to the students the functional department of human resource management and acquaint them with planning, its different functions in an organization.
2. To introduce the human resource processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization.

Subject Name : Management Accounting

Course Code - 304

1. To impart basic knowledge of Management Accounting.
2. To know the implications of various financial ratios in decision making.
3. To study the significance of working capital in business.

4. To understand the concept of budgetary control and its application in business.
5. To develop the calculating ability of various techniques of management accounting.

Subject Name -: Business Economics (Macro)

Course Code - 305

1. To study the behavior of working of the economy as a whole.
2. To develop an analytical framework to understand the inter-linkages among the crucial macroeconomic variables.
3. To apply economic reasoning to problems of business and public policy.

Subject Name -: IT in Management

Course Code - 306

1. To understand the role of IT in Management.
2. To understand the basics of operating systems.
3. To know the current happenings.

SEM – IV

Subject Name -: Production & Operations Management

Course Code - 401

1. To provide goods and services at the right time, at the right place at the right manufacturing cost of the right quality.
2. To understand manufacturing technology and its role in developing business strategy.
3. To identify the role of operation function.
4. To understand the external and internal effects of five operation performance objectives

Subject Name -: Industrial Relations and Labour Law

Course Code - 402

1. To impart the students with the knowledge about complexities between labour and management relationships.
2. To make the students aware about mechanisms of Industrial Dispute and friendly interventions to deal with employee-employer problems.
3. To impart the students with the knowledge of laws & how law affects the industry & labour.

Subject Name -: Business Taxation

Course Code - 403

1. To understand the basic concepts and definitions under the Income Tax Act, 1961.
2. To update the students with latest development in the subject of taxation.
3. To Acquire knowledge about Computation of Income under different heads of Income of Income Tax Act, 1961.
4. To acquire knowledge about the submission of Income Tax Return, Advance Tax, Tax deducted at Source, Tax Collection Authorities.

Subject Name -: International Business

Course Code - 404

1. To acquaint the students with emerging issues in international business.
2. To study the impact of international business environment on foreign market operations.
3. To understand the importance of foreign trade for Indian economy.

Subject Name -: Management Information System

Course Code - 405

1. To understand the concepts of Information System
2. To study the concepts of system analysis and design
3. To understand the issues in MIS

Subject Name: Business Exposure

Course Code - 406

1. To develop the understanding of the student with a realistic and practical perception of the industry its layout, procedures, processes, organization structure
2. The objective of the Industrial Visit is to help students gain firsthand information regarding the functioning of the Industry which presents the students with opportunities to plan, organize and engage in active learning experiences both inside and outside the classroom

Semester V

Subject Name -: Supply Chain and Logistics Management

Course Code -: 501

1. To introduce the fundamental concepts in Materials and Logistics Management.
2. To familiarize with the issues in core functions in materials and logistics management

Subject Name -: Entrepreneurship Development

Course Code -: 502

1. To create entrepreneurial awareness among the students.
2. To help students to up bring out their own business plan.
3. To develop knowledge and understanding in creating and managing new venture.

Subject Name -: Business Law

Course Code -: 503

1. To understand basic legal terms and concepts used in law pertaining to business
2. To comprehend applicability of legal principles to situations in Business world by referring to few decided leading cases.

Subject Name -: Research Methodology

Course Code -: 504

1. To provide the students with basic understanding of research process and tools for the same.
2. To provide an understanding of the tools and techniques necessary for research and report writing.

Marketing Special Paper I

Subject Name -: Sales Management

Course Code -: 505 – B

1. To provide the students with basic understanding of the processes and skills necessary to be successful in personal selling and insights about recent trends in sales management.
2. To provide an understanding of the tools and techniques necessary to effectively manage the sales function - organization - sales individual.
3. To provide students with advanced skills in the areas of interpersonal communications, Motivational techniques

Marketing Special Paper II

Subject Name -: Retail Management

Course Code -: 506 – B

1. To provide insights into all functional areas of retailing.
2. To give a perspective of the Indian retail scenario.
3. To identify the paradigm shifts in retailing business with increasing scope of technology and e-business.

Semester VI

Subject Name -: Business Planning and Project Management

Course Code -: 601

1. To acquaint the students with the planning process in business and familiarize them with the function and techniques of project management

Subject Name -: Event Management

Course Code -: 602

1. To acquaint the students with concepts, issues and various aspects of event management.

Subject Name -: Management Control System

Course Code -: 603

1. To introduce to the students the function of management control, its nature, functional areas, and techniques

Subject Name -: E- Commerce

Course Code -: 604

1. To know the concept of electronic commerce
2. To know the concept of Cyber Law & Cyber Jurisprudence
3. To know Internet marketing techniques

Marketing Special Paper III

Subject Name -: Advertising and Sales Promotion

Course Code -: 605 B

1. To develop knowledge and understanding of importance and functions of advertising.
2. To understand Key features of Sales Promotion

Marketing Special Paper IV

Subject Name -: Cases in Marketing / Project

Course Code -: 606 B

1. To understand of application of theory into practice