DHANRAJ BAID JAIN COLLEGE

(AUTONOMOUS)

(Owned and Managed by Tamil Nadu Educational and Medical Trust)
A Religious Minority Institution
Affiliated to the University of Madras
'A' Grade in NACC,4th Cycle
Thoraipakkam, Chennai – 600 097, Tamil Nadu, India

DEPARTMENT OF COMMERCE

B.COM INFORMATION SYSTEM MANAGEMENT

SYALLABUS

(WITH EFFECT FROM 2026-2027)

Choice Based Credit System

DHANRAJ BAID JAIN COLLEGE

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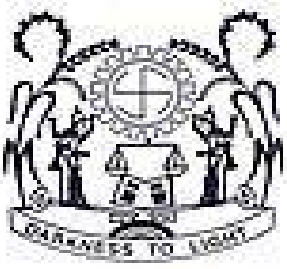
DEPARTMENT OF COMMERCE

B.COM
INFORMATION SYSTEMS AND MANAGEMENT



SYLLABUS

(Choice Based Credit System)

Total No. of Semesters:6

Total No. of Credits: 140

DHANRAJ BAID JAIN COLLEGE
(AUTONOMOUS) CHENNAI- 97.
DEPARTMENT OF MANAGEMENT STUDIES
B. COM., INFORMATION SYSTEMS AND MANAGEMENT

Choice Based Credit System

(Effective from the academic year 2026-2027)

PROGRAMME OUTCOMES (POs)

PO1: Disciplinary Knowledge

Demonstrate comprehensive knowledge of commerce, accounting, banking, finance, information systems, business management, and computer applications to solve business problems.

PO2: Critical Thinking and Problem Solving

Apply analytical, logical, and critical thinking skills to identify business problems, evaluate alternatives, and make effective managerial and technological decisions.

PO3: Communication Skills

Communicate effectively in oral, written, digital, and presentation formats using appropriate business and professional communication techniques.

PO4: Research and Analytical Skills

Collect, analyse, interpret, and present quantitative and qualitative business data using appropriate analytical methods and digital tools.

PO5: Leadership and Teamwork

Demonstrate leadership, interpersonal skills, teamwork, and professional responsibility while working in organizational and multidisciplinary environments.

PO6: Information Technology and Digital Competency

Utilize information systems, programming, web technologies, digital business applications, artificial intelligence tools, and business analytics to enhance organizational performance.

PO7: Entrepreneurship and Innovation

Develop entrepreneurial competencies, creativity, innovation, and business planning skills to identify opportunities and create sustainable business ventures.

PO8: Global and Sustainable Perspective

Understand global business practices, financial markets, sustainability, corporate governance, and environmental responsibility while addressing business challenges.

PO9: Professional Ethics and Social Responsibility

Demonstrate ethical values, professional integrity, corporate social responsibility, and responsible business practices in organizational and societal contexts.

PO10: Lifelong Learning and Employability

Develop self-directed learning, adaptability, digital readiness, and employability skills to pursue higher education and professional careers in a dynamic business environment.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: Commerce and Information Systems

Apply the principles of commerce, accounting, finance, banking, taxation, and information systems to support business operations and organizational decision-making.

PSO2: Information Technology and Software Skills

Develop and apply programming, database, web development, digital technologies, and business application skills to design and manage information systems for business organizations.

PSO3: Financial and Business Analytics

Analyze financial statements, banking operations, investment opportunities, stock markets, and business data using analytical and technology-enabled tools to support managerial decisions.

PSO4: Digital Business and Professional Competence

Utilize digital platforms, e-commerce technologies, AI-enabled tools, cybersecurity awareness, and professional communication skills to manage modern business environments effectively.

PSO5: Career Readiness and Entrepreneurial Development

Demonstrate leadership, ethical values, entrepreneurship, innovation, employability skills, and lifelong learning to build successful careers in commerce, finance, IT, and business management.

REGULATIONS

(AS PER THE INTEGRATED COMMON REGULATIONS OF THE UNIVERSITY OF MADRAS)

1. ELIGIBILITY FOR ADMISSION:

Candidates for admission to the first year of the Degree of Bachelor of Commerce shall be required to have passed the Higher Secondary Examinations (Academic or Vocational Stream) conducted by the Government of Tamil Nadu or an Examination accepted as equivalent thereof by the Syndicate of the University of Madras.

2. ELIGIBILITY FOR AWARD OF THE DEGREE:

A candidate shall be eligible for the award of the Degree only if he / she has undergone the prescribed course of study for a period of not less than three academic years, passed the examinations of all the Six Semesters prescribed earning 140 credits and fulfilled such conditions as have been prescribed therefore.

3. DURATION:

(a) Each academic year shall be divided into two semesters. The first academic year shall comprise the first and second semesters, the second academic year the third and the fourth semesters and the third academic year the fifth and sixth semesters respectively.

(b) The odd semesters shall consist of the period from June to November of each year and the even semesters from December to April of each year. There shall be not less than 90 working days for each semester.

4. COURSE OF STUDY:

The Main Subject of Study for Bachelor Degree shall consist of the following.

(1) FOUNDATION COURSES: The course shall comprise the study of:
Part – I Tamil or any other Modern (Indian or Foreign) or Classical Languages; and
Part – II English

(2) CORE COURSES consisting of (a) Main Subjects, (b) Elective Subjects (c) Application Oriented Subjects related to the Main Subject of Study and Practical's, etc., if any.

(3) Compulsory Extension Service

5. COMPULSORY EXTENSION SERVICE:

Students shall be awarded a maximum of 1 Credit for Compulsory Extension Service. All the Students shall have to enroll for NSS /NCC/ NSO (Sports & Games) Rotract/ Youth Red Cross or any other Service Organizations in the College and shall have to put in compulsory minimum attendance of 40 hours which shall be duly certified by the Principal of the College before 31stMarch in a year. If a student lacks 40 hours attendance in the first year, heor she shall have to compensate the same during the subsequent years. Those

students who complete minimum attendance of 40 hours in one year will get 'half-a-credit and those who complete the attendance of 80 or more hours in Two Years will get 'one credit'. Literacy and Population Education and Field Work shall be compulsory components in the above extension service activities.

6. SCHEME OF EXAMINATION SHALL BE GIVEN IN APPENDIX 'A'

7. REQUIREMENTS FOR PROCEEDING TO SUBSEQUENT SEMESTER

(a) Candidates shall register their names for the First Semester Examination after admission in the UG Courses.

(b) Candidates shall be permitted to proceed from the First Semester up to Final Semester irrespective of their failure in any of the Semester Examinations subject to the condition that the candidates should register for all the arrear subjects of earlier semesters along with current (subsequent) semester subjects.

(c) Candidates shall be eligible to go to subsequent semester, only if they earn sufficient attendance as prescribed thereof from time to time, provided in case of a candidate earning less than 50% of attendance in any one of the semesters due to any extraordinary circumstance such as medical grounds, such candidates who shall produce Medical Certificate issued by the Authorized Medical Attendant (AMA), duly certified by the Principal of the College, shall be permitted to proceed to the next semester and to complete the Course of Study. Such candidates shall have to repeat the missed Semester by rejoining after completion of Final Semester of the Course, after paying the fee for the break of study as prescribed from time to time.

8. PASSING MINIMUM:

- There shall be no passing minimum for Internal.
- For external examination, passing minimum shall be 40% [Forty Percentage] of the maximum marks prescribed for the paper for each Paper/Practical/Project and Viva-Voce.
- In the aggregate [External/Internal] the passing minimum shall be of 40%.
- He / She shall be declared to have passed the whole examination, if he/she passes in all the papers and practical wherever prescribed as per the scheme of the examinations by earning 140 CREDITS in Part I, II, III, IV, V&VI. He/she shall also fulfill the extension activities prescribed earning 1 credit to qualify for the Degree.

9. CLASSIFICATION OF SUCCESSFUL CANDIDATES

(I) FOUNDATION COURSES

(a) LANGUAGE OTHER THAN ENGLISH: Successful candidate passing the examinations for the Language and securing marks (I) 60 percent and above and (II) 50 percent and above but below 60 percent in the aggregate shall be declared to have passed the examination in the FIRST and SECOND Class, respectively. All other successful candidates shall be declared to have passed the examination in THIRD Class.

(b) ENGLISH: Successful candidates passing the examination for English and securing the marks (I) 60 percent and above and (II) 50 percent and above but below 60 percent in the aggregate shall be declared to have passed the examination in the FIRST and SECOND Class, respectively. All other successful candidates shall be declared to have passed the examination in THIRD Class.

(II) CORE COURSES (consisting) of (a) Main Subjects (b) Elective Subjects (c) Application Oriented Subjects and Practical, etc., if any)

Successful candidates passing the examinations for Core Courses together and securing the marks (i) 60 percent and (ii) 50 percent and above but below 60 percent in the aggregate of the marks prescribed for the Core Courses together shall be declared to have passed the examination in the FIRST and SECOND Class, respectively. All other successful candidates shall be declared to have passed the examination in the THIRD Class.

10. RANKING:

Candidates who pass all the examinations prescribed for the Course in the FIRST APPEARANCE ITSELF ALONE are eligible for Classification / Ranking / Distinction.

Provided in the case of Candidates who pass all the examinations prescribed for the Courses with a break in the First Appearance due to the reasons as furnished in the Regulations.7.(c) supra are only eligible for Classification / Distinction.

FIRST YEAR - FIRST SEMESTER							
Part	**Course Code**	**Title of the Course**	**Credits**	**Hours**	**CIA**	**ESE**	**Total Marks**
Part I		Language – Tamil	**3**	5	40	60	100
Part II		English	**3**	5	40	60	100
Part III		Core Paper I – **Accounting for Managers - I**	**5**	6	40	60	100
Part III		Core Paper II - **Principles of Management**	**5**	**5**	40	60	100
Part III		Elective I - **Programming with C & C++**Practical	**3**	5	40	60	100
		Elective I – Fundamentals of computer and information Technology			40	60	100
Part IV		Basic Tamil-I/NME -Employability Skill	**2**	**2**	40	60	100
		Foundation Course FC HTML Programming Theory	**2**	**2**	40	60	100
TOTAL			**23**	**30**			

FIRST YEAR - SECOND SEMESTER							
Part	**Course Code**	**Title of the Course**	**Credits**	**Hours**	**CIA**	**ESE**	**Total Marks**
Part I		Language – Tamil -II	**3**	5	40	60	100
Part II		English -II	**3**	5	40	60	100
Part III		Core Paper III – **Accounting for Managers - II**	**5**	6	40	60	100
Part III		Core Paper IV- **Modern Banking and Financial Services**	**5**	**5**	40	60	100
Part III		Elective II –Data Base Management Systems	**3**	5	40	60	100
		Elective II - **PROGRAMMING IN JAVA Practical**			40	60	100
Part IV		Basic Tamil-II/NME –**Stock Market Operation**	**2**	**2**	40	60	100
		NAAN MUDHALVAN- Language Proficiency for Employability- Effective English	**2**	**2**	40	60	100
TOTAL			**23**	**30**			

COURSE CODE	COURSE TITLE	L	T	P	C
	ACCOUNTING FOR MANAGERS - I	**6**	**-**	**-**	**5**

COURSE OBJECTIVES	1. To impart knowledge about basic concepts of accounting its applications 2. To analyze and interpret financial reports of a company. 3. To understand the gross profit and net profit earned by organization. 4. To foster knowledge on Hire Purchase system. 5. To understand the procedures of Accounting under Single entry system

UNIT	SYLLABUS	INSTRUCTIONAL HOURS
UNIT 1	Meaning and scope of Accounting, Basic Accounting Concepts and Conventions – Objectives of Accounting – Accounting Transactions – Double Entry Book Keeping – Journal, Ledger, Preparation of Trial Balance	15
UNIT 2	Subsidiary book – Preparation of cash Book – Bank reconciliation statement – rectification of errors – Suspense account .	20
UNIT 3	Preparation of Final Accounts – Adjustments – Closing stock, outstanding, prepaid and accrued, depreciation, bad and doubtful debts, provision and discount on debtors and creditors, interest on drawings and capital.	20
UNIT 4	Hire Purchase System – Default and Repossession – Hire Purchase Trading Account – Installment System.	15
UNIT 5	Single Entry – Meaning, Features, Defects, Differences between Single Entry and Double Entry System – Statement of Affairs Method – Conversion Method.	20
Total		**90 hours**

The proportion between Theory and Problems shall be 25:75

Course Outcomes	On completion of this course, students will	Program Outcomes
CO1	Prepare Journal, ledger, trial balance and cash book	PO2, PO1
CO2	Classify errors and making rectification entries	PO1
CO3	Prepare final accounts with adjustments	PO2, PO6
CO4	To understand Hire Purchase system	PO2, PO6
CO5	Prepare single and double entry system of accounting.	PO6

Prescribed Texts Books:

1. Dr.K.Ganesan & S.Ushena Begam – Accounting for Managers - Volume 1, Charulatha Publications, Chennai
2. TS Reddy & amp; A.Murthy; Financial Accounting -Margham Publications , 6th Edition, 2019
3. M N Arora; Accounting for Management- Himalaya Publications House 2019.

SN Maheswari; Financial Accounting - Vikas Publishing House, Jan 2018.

Reference books:

1.Goel.D.K and Shelly Goel, 2018, Financial Accounting, Arya Publications, 2nd edition.
2.Jain .S.P &Narang .K, 1999, Financial Accounting, Kalyani Publishers, Ludhiana, 4th edition
3.Shukla&Grewal, 2002, Advanced Accounting, Sultan Chand &Sons,New Delhi, 15th edition.
4.Tulsian P.C., 2006, Financial Accounting, Pearson Education

Website:

1. https://ebooks.lpude.in/management/mba/term_1/DMGT403_ACCOUNTING_FOR_MANAGERS.pdf
2. https://www.drnishikantjha.com/booksCollection/Accounting%20for%20Management%20for%20MBA%20.pdf

https://www.accountingtools.com/articles/2017/5/15/basic-accounting-principles

Question Paper Pattern:

Section	Question Component	Numbers	Marks	Total
A	Definition/Small problems/Answer any 10 out of 12 questions (2 Questions from each units and remaining 2 questions from Larger Unit) (7 questions Problems/ Formulas and 5 Theory questions)	1-12	2	**20**
B	Answer any 5 out of 8 questions (one questions from each units and 3 from larger units) (6 questions problems and 2 theory)	13-20	**7**	**35**
C	Essay Answer any 3 out of 5 questions (one questions from each units) (4 questions Problems/ Formulas and 1 Theory questions)	21-25	**15**	**45**
TOTAL MARKS				**100**

Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	**S**	M	L	M	L	M	–	–
CO 2	**S**	**S**	–	M	M	M	–	–
CO 3	**S**	**S**	M	**S**	M	M	–	–
CO 4	**S**	M	–	M	L	L	–	M
CO 5	**S**	**S**	–	**S**	M	M	–	L

S – Strong | M – Medium | L – Low | – No Correlation

CO-PSO Mapping with program specific outcomes (Course Articulation Matrix)

Level of Correlation between PSO's and CO's

CO /PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	3	2	3	2	2
CO3	3	2	3	2	2
CO4	3	1	2	2	2
CO5	3	2	3	2	2
Weightage	15	9	13	10	10
Weighted percentage of Course Contribution to Pos	**3.0**	**1.8**	**2.6**	**2.0**	**2.0**

COURSE CODE	COURSE TITLE	L	T	P	C
	PRINCIPLES OF MANAGEMENT	**5**	**-**	**-**	**5**

COURSE OBJECTIVES	1. To impart knowledge about evolution of management 2. To provide understanding on planning process and importance of decision making in organization 3. To learn the application of principles in organization 4. To study the process of effective controlling in organization 5. To familiarize students about significance of ethics in business and its implications.

UNIT	SYLLABUS	INSTRUCTIONAL HOURS
UNIT 1	Management: Importance – Definition – Nature and Scope of Management - Process – Role and Functions of a Manager – Levels of Management – Development of Scientific Management and other Schools of thought and approaches.	15
UNIT 2	Planning: Nature – Importance – Forms – Types – Steps in Planning – Objectives – Policies – Procedures and Methods – Natures and Types of Policies – Decision –making – Process of Decision – making – Types of Decision.	15
UNIT 3	Organizing: Types of Organizations – Organization Structure – Span of Control and Committees – Departmentalization – Informal Organization- Authority – Delegation – Decentralization – Difference between Authority and Power – Responsibility.	15
UNIT 4	Direction – Nature and Purpose. Co- ordination – Need, Type and Techniques and requisites for excellent Co-ordination – Controlling – Meaning and Importance – Control Process.	15
UNIT 5	Definition of Business ethics - Types of Ethical issues -Role and importance of Business Ethics and Values in Business - Ethics internal - Ethics External - Environment Protection - Responsibilities of Business	15
Total		**75 Hours**

Course Outcomes	On completion of this course, students will	Program Outcomes
CO1	Describe nature, scope, role, levels, functions and approaches of management	**PO5**
CO2	Apply planning and decision making in management	**PO2, PO5, PO6,PO8**
CO3	Identify organization structure and various organizing techniques	**P01, PO4**
CO4	Understand Direction, Co-ordination & Control mechanisms	**PO2,PO6**
CO5	Relate and infer ethical practices of organisation.	**PO3, PO8**

Prescribed Texts

1. JAF Stoner, Freeman R.E and Daniel R Gilbert "Management", 6th Edition, Pearson Education, 2004
2. Stephen A. Robbins & David A. Decenzo & Mary Coulter, "Fundamentals of Management" 7th Edition, Pearson Education, 2011
3. Stoner, Freeman, Gilbert Jr. (2014). Management (6th edition), New Delhi: Prentice Hall India
4. Robbins, S., Coulter, M., Sidani, D., and Jamali, D., Management: Arab World Edition, Pearson, 2014.

Reference Books

1) P.C. Tripathi& P.N Reddy; Principles of Management, Sultan Chand& Sons,6th Edition, 2017
2) L.M.Prasad; Principles & Practice of Management, Sultan Chand & Sons, 8 th Edition.
3) Stephen P. Robbins & Mary Coulter; Management, Pearson Education, 13th Edition, 2017
4) Dr.C.B.Gupta; Principles of Management, Sultan Chand& Sons, 3 rd Edition.
5) Harold Koontz, Hienz Weihrich, A Ramachandra Aryasri; Principles of Management, McGraw Hill, 2nd edition, 2015

WebReferences:

1) https://www.toolshero.com/management/14-principles-of-management/
2) https://open.umn.edu/opentextbooks/textbooks/693
3) https://open.umn.edu/opentextbooks/textbooks/34
4) https://openstax.org/subjects/business
5) https://blog.hubspot.com/marketing/management-principles

Question Paper Pattern:

Section	Question Component	Numbers	Marks	Total
A	Definition/Principle Answer ANY 10 out of 12 questions (2 Questions from each units and remaining 2 questions from Larger Unit)	1-12	2	**20**
B	Answer any 5 out of 8 questions (one questions from each units and 3 from larger units)	13-20	**7**	**35**
C	Essay Answer any 3 out of 5 questions (one questions from each units)	21-25	**15**	**45**
TOTAL MARKS				**100**

Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	L	–	–	–	**S**	–	M	–
CO 2	–	**S**	–	–	**S**	M	–	M
CO 3	**S**	–	–	**S**	–	–	M	–
CO 4	–	**S**	–	–	–	**S**	L	–
CO 5	–	–	**S**	–	–	–	M	**S**

S – Strong | M – Medium | L – Low | – No Correlation

CO-PSO Mapping with program specific outcomes ,

Level of Correlation between PSO's and CO's

CO /PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	3	3	2	3	2
CO3	3	2	3	2	2
CO4	2	3	2	3	2
CO5	2	2	3	2	3
Weightage	13	12	12	12	11
Weighted percentage of Course Contribution to Pos	**2.6**	**2.4**	**2.4**	**2.4**	**2.2**

COURSE CODE	COURSE TITLE	L	T	P	C
	Programming with C & C++ Practical	**-**	**-**	**5**	**3**

COURSE OBJECTIVES	1. To learn the basics of programming. 2. To learn programming using C and C++ Language. 3. To implement programs using different statement in C and C++ Language. 4. To implement programs using OOPS. 5. To implement programs using Polymorphism and Exception.

UNIT	SYLLABUS	INSTRUCTIONAL HOURS
UNIT 1	**Introduction to C:** C Fundamentals - C Tokens - Keywords And Identifiers – Constants Variables-Data Types-Operators-Expression-Managing Input And Output Operations, Conditional Statements, Looping Statements	15
UNIT 2	**Arrays**: Types Of Arrays, Functions & Types Of Functions, Storage Classes, Structures, Union, Pointers, Files & Error Handling.	15
UNIT 3	**Introduction to C++:** C++ Fundamentals - Managing Input and Output Operations. **OOPS:**Basic Concepts - Benefits - Applications - Classes and Objects - Access Specifies - Array of Classes.	15
UNIT 4	**Constructors:** Functions- Operator Overloading- Inheritance with Types.	15
UNIT 5	**Polymorphism**: Types- Templates- Exception Handling.	15
Total		**75 Hours**

Lab Practical:

1) Conditional statement: „if‟ statement. ‟‟Switch „statement
2) Looping statement: „for „statement, „while‟ statement, and „do‟..While „statement
3) Arrays: One Dimensional Array, Two Dimensional Arrays, Character Arrays.
4) Union
5) Pointers: Pointers and Expression, pointers and Arrays, pointers and Functions
6) Files: Single File creation, Multiple File creations.
7) Implement the Following:
    - Function overloading, Friend function & Static member functions.
    - Unary operator overloading, Binary operator overloading & Arithmetic operator overloading.
    - Single inheritance & Hybrid inheritance
    - Multiple inheritance, Multilevel inheritance& Hierarchical inheritance.
    - Virtual functions
    - This pointer
    - Pointer to object.
    - Function template & Class template.
    - Multiple catches in exception handling.

Course Outcomes	**On completion of this course, students will**	**Program Outcomes**
CO1	Obtained knowledge about basic programming	PO5
CO2	Create basic programs using C and C++ languages	PO2, PO5, PO6,PO8
CO3	Create programs using logical operation in C and C++ languages	P01, PO4
CO4	Obtained knowledge to implement programs using OOPS	PO2,PO6
CO5	Able to utilize polymorphism and Exception Handling.	PO3, PO8

Book for Reference:

- “Programming in C”, Oxford University Press
- Bjarne Stroustrup, The C++ Programming Language, 4th Edition Pearson Education Inc, 2013

Recommended Books:

- Programming in ANSI C - 4th Edition - E. Balaguruswamy - Tata McGraw Hill.
- Kanetkar Y., Let us C, BPB Pub., New Delhi, 1999.
- Object Oriented Programming with C++ - 4th Edition - E. Balaguruswamy - Tata McGraw Hill

- Herbert Schildt , "Teach Yourself C++", III edition, Tata McGraw Hill 5th Reprint 2000.

Learning Resources:

- https://www.javatpoint.com/c-programming-language-tutorial
- https://www.tutorialspoint.com/cprogramming/index.html
- https://fresh2refresh.com/c-programming.

Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	S	M	-	L	S	M	-	L
CO 2	M	S	L	M	S	S	-	M
CO 3	S	S	L	S	M	M	-	M
CO 4	M	S	M	M	M	S	-	L
CO 5	M	M	S	M	L	S	-	S

S – Strong | M – Medium | L – Low | – No Correlation

CO-PSO Mapping with program specific outcomes ,

Level of Correlation between PSO's and CO's

CO /PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	2	2	2
CO2	2	3	2	3	2
CO3	2	3	3	2	2
CO4	2	3	3	3	2
CO5	2	3	3	3	3
Weightage	10	15	13	13	11
Weighted percentage of Course Contribution to Pos	**2.0**	**3.0**	**2.6**	**2.6**	**2.2**

COURSE CODE	COURSE TITLE	L	T	P	C
	EMPLOYABILITY SKILLS	**2**	**-**	**-**	**2**

COURSE OBJECTIVES	On completion of the course the students will be able 1. 1To develop personal and professional skills among students. 2. To improve communication and interpersonal abilities required for employment. 3. To provide basic knowledge of workplace etiquette and professional behaviour. 4. To enhance digital and presentation skills for modern work environments. 5. To prepare students for career opportunities, interviews and professional growth.

UNIT	SYLLABUS	INSTRUCTIONAL HOURS
UNIT 1	Introduction to Employability Skills – Meaning and importance of employability skills – Personal development – Goal setting – Positive attitude – Self-confidence and self-motivation.	6
UNIT 2	Communication Skills – Verbal and non-verbal communication – Listening skills – Speaking skills – Presentation skills – Group discussion basics.	6
UNIT 3	Professional Skills – Resume preparation – Interview skills – Workplace etiquette – Time management – Teamwork and leadership qualities.	6
UNIT 4	Digital and Workplace Skills – Basics of MS Office – Email writing – Online meeting etiquette – Social media professionalism – Introduction to workplace technology.	6
UNIT 5	Career Development Skills – Career planning – Problem solving skills – Decision making – Stress management – Introduction to entrepreneurship and career opportunities.	6
Total		**30 Hours**

Course Outcomes	On completion of this course, students will	Program Outcomes
CO1	Understand the importance of employability and professional skills.	PO1, PO6
CO2	Develop effective communication and presentation abilities	PO5, PO6
CO3	Apply workplace etiquette, teamwork and leadership skills in professional settings.	PO2, PO6
CO4	Utilize basic digital tools and professional communication methods.	PO6
CO5	Demonstrate confidence in career planning, interviews and decision-making.	PO6, PO8

Prescribed Texts

1. Kalyana, "Soft Skill for Managers", Wiley India Publications.
2. Alex K., "Soft Skills – Know Yourself and Know the World", S. Chand Publications.
3. Barun K. Mitra, "Personality Development and Soft Skills", Oxford University Press

Reference Books:

1. M. S. Rao, "Soft Skills – Enhancing Employability", I.K. International Publishing House.
2. Meenakshi Raman and Sangeeta Sharma, "Professional Communication", Oxford University Press.
3. S. Hariharan, N. Sundararajan and S. P. Shanmugapriya, "Soft Skills", MJP Publishers.

Web Reference

1 https://www.skillsyouneed.com
2 https://www.coursera.org
3 https://www.indeed.com/career-advice

Question Paper Pattern:

Section	Question Component	Numbers	Marks	Total
A	Definition/Principle Answer ANY 10 out of 12 questions (2 Questions from each units and remaining 2 questions from Larger Unit)	1-12	2	**20**
B	Answer any 5 out of 8 questions (one questions from each units and 3 from larger units)	13-20	**7**	**35**
C	Essay Answer any 3 out of 5 questions (one questions from each units)	21-25	**15**	**45**
TOTAL MARKS				**100**

Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	**S**	L	–	–	M	**S**	–	–
CO 2	M	–	–	–	**S**	**S**	L	–
CO 3	M	**S**	–	–	M	**S**	M	–
CO 4	L	–	–	M	M	**S**	M	–
CO 5	M	M	–	–	L	**S**	–	**S**

S – Strong | M – Medium | L – Low | – No Correlation

CO-PSO Mapping (Course Articulation Matrix)

Level of Correlation between PSO's and CO's

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO 1	2	2	2	2	2
CO 2	3	2	2	2	2
CO 3	3	3	2	3	2
CO 4	2	3	2	3	2
CO 5	3	3	3	2	3
Weightage	13	13	11	12	11
Weighted Percentage of Course Contribution to Pos	**2.6**	**2.6**	**2.2**	**2.4**	**2.2**

COURSE CODE	COURSE TITLE	L	T	P	C
	HTML PROGRAMMING- Theory	**2**	**-**		**2**

COURSE OBJECTIVES	On completion of the course the students will be able. 1. To familiarize students with the tags and works on with basic html programs. 2. To make students work with adding graphics to html and also different attributes. 3. To make students understand the concept of linking of documents using hyperlink and also external document reference. 4. To introduce the concept of dynamic HTML 5. To make students create a form using html tags.

UNIT	SYLLABUS	INSTRUCTIONAL HOURS
UNIT 1	**Basics of HTML** Introduction to HTML, structure of a web page, basic HTML tags, text formatting, headings, paragraphs, and creating different types of lists.	6
UNIT 2	**Working with Images and Tables** Adding images to web pages, image formatting, creating tables, using rows and columns, and designing simple table layouts.	6
UNIT 3	**Hyperlinks and Frames** Creating links between web pages, using images as links, introduction to image maps, and basics of frames in HTML.	6
UNIT 4	**Introduction to CSS** Basics of CSS, applying styles to web pages, formatting text, fonts, colors, lists, tables, and understanding the CSS box model.	6
UNIT 5	**Advanced CSS and Web Page Design** Using advanced CSS features such as positioning, navigation bars, image styling, layouts, and designing simple and attractive web pages.	6
Total		**30 Hours**

Course Outcomes	On completion of this course, students will	Program Outcomes
CO1	Explain the basics of HTML, web page structure, text formatting, and different types of lists used in web page creation.	PO1, PO2
CO2	Create web pages using images, tables, rows, columns, and formatting attributes in HTML.	PO1, PO2, PO6
CO3	Develop web pages with hyperlinks, image links, image maps, and frames for easy navigation.	PO2, PO6
CO4	Apply CSS concepts to design and style web pages using colors, fonts, lists, tables, and box model properties.	PO1, PO2, PO6
CO5	Design attractive and responsive web page layouts using advanced CSS features and page design techniques.	PO2, PO6, PO8

RECOMMENDED TEXTBOOKS

1. Mastering HTML, CSS & JavaScript Web Publishing; Laura Lemay (Author), RafeColburn (Author), Jennifer Kyrnin (Author) – BPBPublications- July2016

2. HTML &CSS: The Complete Reference: Fifth Edition; Thomas Powell ; Mar 2010

REFERENCE BOOKS:

1. HTML 5 Black Book, Covers CSS 3, JavaScript, XML, XHTML, AJAX, PHP andjQuery; by DT Editorial Services; DreamTech Press; Second Edition;April 2016

2. HTML 5 in Simple Steps Paperback – 5 Oct 2010 by Kogent Learning Solutions Inc.(Author)

3. Beginning CSS: Cascading Style Sheets for Web Design Wiley Ind, Ian Pouncey,Richard York.

WEB REFERENCE:

1. http://www.w3schools.com

2. https://www.tutorialpoint.com

Question Paper Pattern:

Section	Question Component	Numbers	Marks	Total
A	Definition/Principle Answer ANY 10 out of 12 questions (2 Questions from each units and remaining 2 questions from Larger Unit)	1-12	2	**20**
B	Answer any 5 out of 8 questions (one questions from each units and 3 from larger units)	13-20	**7**	**35**
C	Essay Answer any 3 out of 5 questions (one questions from each units)	21-25	**15**	**45**
TOTAL MARKS				**100**

Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	**S**	M	–	L	M	**S**	–	L
CO 2	M	**S**	L	M	M	**S**	–	M
CO 3	M	**S**	M	M	M	**S**	–	M
CO 4	M	**S**	M	M	M	**S**	–	M
CO 5	M	**S**	M	**S**	M	**S**	L	M

S – Strong | M – Medium | L – Low | – No Correlation

CO-PSO Mapping (Course Articulation Matrix)

Level of Correlation between PSO's and CO's

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO 1	2	3	2	2	2
CO 2	2	3	2	3	2
CO 3	2	3	2	3	2
CO 4	2	3	3	3	2
CO 5	2	3	3	3	3
Weightage	10	15	12	14	11
Weighted Percentage of Course Contribution to Pos	**2.0**	**3.0**	**2.4**	**2.8**	**2.2**

Semester -II

COURSE CODE	COURSE TITLE	L	T	P	C
	ACCOUNTING FOR MANAGERS II	**6**	**-**	**-**	**5**

COURSE OBJECTIVES	1. To provide basic understanding of cost concepts and classification. 2. To develop skills in tools & techniques and critically evaluate decision making in business. 3. To understand various ratios and cash flow related to finance. 4. To recognize the role of budgets and variance as a tool of planning and control. 5. To gain insights into the fundamental principles of accounting and use them in day-to-day business scenarios

UNIT	SYLLABUS	INSTRUCTIONAL HOURS
UNIT 1	Cost accounting – Meaning, nature, scope and functions, need, importance and limitations- Cost concepts and classification – Cost sheets – Tenders & Quotation	20
UNIT 2	Management accounting – Meaning, nature, scope and functions, need, importance and limitations – Management Accounting vs. Cost Accounting. Management Accounting vs. Financial Accounting. Analysis and Interpretation of financial statements – Nature, objectives, essentials and tools, methods – Comparative Statements, Common Size statement and Trend analysis.	20
UNIT 3	Ratio Analysis – Interpretation, benefits and limitations. Classification of ratios - Liquidity, Profitability, turnover. Cash flow and Funds flow statement.	20
UNIT 4	Budgets and budgetary control – Meaning, objectives, merits and demerits – Sales, Production, flexible budgets and cash budget	15
UNIT 5	Marginal Costing – CVP analysis – Break even analysis	15
Total		**90 Hours**

The proportion between Theory and Problems shall be 25:75

Course Outcomes	On completion of this course, students will	Program Outcomes
CO1	Interpret cost sheet & write comments.	PO1, PO2, PO4
CO2	Compare cost, management & financial accounting	PO6
CO3	Analyze the various ratio and compare it with standards to assess deviations	PO2, PO6
CO4	Estimate budget and use budgetary control	PO1, PO2,PO8
CO5	Evaluate marginal costing and its components	PO2, PO6

Prescribed Texts

1. Gupta, R.L and M. Radhaswamy.Advanced Accountancy,Sultan Chand & Sons, 2016.

2. T. S. and A .Murthy. ManagementAccounting.Chennai: Margham, 2007.

3. Jain S.P and K.L Narang.Advanced Accountancy (Part II).Kalyani, 2007.

4. Maheshwari S.N, Advanced Accountancy (Part1I). Vikas, 2007.

Reference Books:

1. Dr.K.Ganesan & S. Ushena Begam, Accounting for Managers – Volume II, Charulatha Publications, Chennai
2. T. S. Reddy and Hari Prasad Reddy- Management Accounting, Margham Publication, 2016
3. Antony Atkinson, Rebert S Kalpan, Advance Management Accounting, Pearson Publications,2015.
4. HorngrenSunderu Stratton, Introduction to Management Accounting, Pearson Education,2013.
5. Rajiv Kumar Goel & IshaanGoel, Concept Building Approach to Management Accounting ,2019

Web Resources

1. https://www.toppr.com/guides/fundamentals-of-accounting/fundamentals-of-cost-accounting/meaning-of-management-accounting
2. http://www.accountingnotes.net/management-accounting/management-accountingmeaning-limitations-and-scope/5859
3. http://www.accountingnotes.net/cost-accounting/variance-analysis/what-is-varianceanalysis-cost-accounting/10656

Question Paper Pattern:

Section	Question Component	Numbers	Marks	Total
A	Definition/Small problems/Answer any 10 out of 12 questions (2 Questions from each units and remaining 2 questions from Larger Unit) (7 questions Problems/ Formulas and 5 Theory questions)	1-12	2	**20**
B	Answer any 5 out of 8 questions (one questions from each units and 3 from larger units) (6 questions problems and 2 theory)	13-20	**7**	**35**
C	Essay Answer any 3 out of 5 questions (one questions from each units) (4 questions Problems/ Formulas and 1 Theory questions)	21-25	**15**	**45**
TOTAL MARKS				**100**

Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	**S**	**S**	–	**S**	–	M	–	–
CO 2	M	–	–	–	–	**S**	–	L
CO 3	M	**S**	–	M	–	**S**	–	–
CO 4	**S**	**S**	–	M	–	L	–	**S**
CO 5	M	**S**	–	–	–	**S**	–	M

S – Strong | M – Medium | L – Low | – No Correlation

CO-PSO Mapping with program specific outcomes (Course Articulation Matrix)

Level of Correlation between PSO's and CO's

CO /PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	2	2
CO2	2	3	2	2	2
CO3	3	3	2	3	2
CO4	3	3	2	3	3
CO5	3	3	3	2	2
Weightage	14	14	12	12	11
Weighted percentage of Course Contribution to Pos	**2.8**	**2.8**	**2.4**	**2.4**	**2.2**

COURSE CODE	COURSE TITLE	L	T	P	C
	Modern Banking and Financial Services	**5**	**-**	**-**	**5**

COURSE OBJECTIVES	1. To get knowledge about Banking system and banker –customer relationship 2. To learn the features of negotiable instruments and ancillary services 3. To get an idea about technology in banking 4. To study the functions of capital and Forex market 5. To understand the various financial services offered

UNIT	SYLLABUS	INSTRUCTIONAL HOURS
UNIT 1	Overview Of Indian Banking System: Meaning - - Functions of commercial Banks– Classification - Functions of Central Bank - Banker and Customer Relationship – CRR – SLR – PLR – REPO – Reverse REPO. Deposit and Loans: Types of Deposits – Forms of lending – Bank lending principles – Securities for lending	15
UNIT 2	Negotiable Instruments: Cheque - Crossing of Cheque - Types - Endorsement of Cheque - Demand draft VS Banker Cheque. Ancillary services: Letter of Credit - Bank Guarantee - Discounting of Bills	15
UNIT 3	Technology In Banking - Core Banking - NEFT - RTGS - SWIFT - IMPS - UPI - Interbank Payment System - Laser Wallet Technology, Cheque Truncation – Debit Vs Credit Cards - Mobile and Digital Banking - Fraud Prevention Measures.	15
UNIT 4	Financial Services: Bill Discounting - Forfeiting - Venture Capital - Leasing - Types - Factoring - Types. Credit Rating: Need for Credit Rating - Advantages and Limitations of Credit Rating - Factors Affecting Credit Rating - Credit Rating Agencies in India	15
UNIT 5	Forex Market: Functions - Significance of Foreign Exchange - Different Type of Exchange Rates - Factors Influencing Exchange Rate - Methods of Controlling Exchange Rate. FERA Vs FEMA - FEDAI - Role of Forex Banks in Export and Import.	15
Total		**75 Hours**

Course Outcomes	On completion of this course, students will	Program Outcomes
CO1	Understand the structure and functions of the Indian banking system and key monetary tools.	PO1, PO2, PO3
CO2	Gain knowledge of negotiable instruments and core ancillary banking services.	PO1, PO2, PO3,PO6, PO8
CO3	Understand the role of technology and digital systems in modern banking operations.	PO1 PO2, PO3, PO4, PO8
CO4	Learn about financial services and the fundamentals of credit rating in banking.	PO1, PO2, PO6
CO5	Understand the functions of the forex market and its regulatory framework in India.	PO1, PO2, PO7

Textbooks

1. N. C. Majumdar (Author) A Textbook on Fundamentals of Modern Banking, New Central Book Agency;
2. Sundaram & Varshney - Banking, law, theory and practice
3. B.Santhanam - Banking & Financial systems
4. Gurusamy S, Essentials of Financial Services, Vijay Nicole Imprints, Chennai.
5. Santhanam B, Financial Services, Margam Publications.
6. Padmalatha Suresh & Justin Paul - Management of Banking and Financial Services, Pearson India.

Reference Books

1. B. Santhanam, Banking & Financial System, Margam Publication, Chennai
2. KataitSanjay, Banking Theory and Practice, Lambert Academic Publishing,
3. Henry Dunning Macleod, The Theory And Practice Of Banking, Hard Press Publishing, Old New Zealand
4. William Amasa Scott, Money And Banking: An Introduction To The Study Of Modern Currencies, Kesinger publication, USA

Web Resources

1. https://www.rbi.org.in/
2. https://businessjargons.com/e-banking.html
3. https://www.wallstreetmojo.com/endorsement/

Question Paper Pattern:

Section	Question Component	Numbers	Marks	Total
A	Definition/Principle Answer ANY 10 out of 12 questions (2 Questions from each units and remaining 2 questions from Larger Unit)	1-12	2	**20**
B	Answer any 5 out of 8 questions (one questions from each units and 3 from larger units)	13-20	**7**	**35**
C	Essay Answer any 3 out of 5 questions (one questions from each units)	21-25	**15**	**45**
TOTAL MARKS				**100**

Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	**S**	**S**	M	M	L	M	–	L
CO 2	**S**	**S**	M	M	M	**S**	–	M
CO 3	**S**	M	M	**S**	M	**S**	–	**S**
CO 4	**S**	**S**	L	M	M	**S**	L	M
CO 5	**S**	**S**	M	M	M	M	**S**	M

S – Strong | M – Medium | L – Low | – No Correlation

CO-PSO Mapping with program specific outcomes (Course Articulation Matrix)

Level of Correlation between PSO's and CO's

CO /PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	2
CO2	3	2	3	2	2
CO3	2	3	3	3	2
CO4	3	2	3	2	2
CO5	3	2	3	2	3
Weightage	14	11	14	11	11
Weighted percentage of Course Contribution to Pos	**2.8**	**2.2**	**2.8**	**2.2**	**2.2**

COURSE CODE	COURSE TITLE	L	T	P	C
	PROGRAMMING IN JAVA -Practical	**5**	**-**	**-**	**3**

COURSE OBJECTIVES	1. To equip the student with programming knowledge in Core Java from the basics up. 2. To provide fundamental knowledge of object-oriented programming. **3.** To enable the students to use AWT controls, Event Handling and Swing for GUI.

UNIT	SYLLABUS	INSTRUCTIONAL HOURS
UNIT 1	Introduction: Review of Object-Oriented concepts - Java buzzwords (Platform independence, Portability, Threads)- JVM architecture –Java Program structure –Java main method - Java Console output (System.out) - simple java program	15
UNIT 2	Data types - Variables - type conversion and casting- Java Console input: Buffered input - operators - control statements - Static Data - Static Method - String and String Buffer Classes	15
UNIT 3	Java user defined Classes and Objects – Arrays – constructors - Inheritance: Basic concepts - Types of inheritance - Member access rules - Usage of this and Super key word - Method Overloading - Method overriding - Abstract classes - Dynamic method dispatch - Usage of final keyword	15
UNIT 4	Packages: Definition - Access Protection - Importing Packages - Interfaces: Definition – Implementation – Extending Interfaces Exception Handling: try – catch - throw - throws –- finally – Built-in exceptions - Creating own Exception classes - garbage collection, finalise	15
UNIT 5	Multithreaded Programming: Thread Class - Runnable interface –Synchronization – Using synchronized methods– Using synchronized statement - Deadlock. Applets - Adapter classes	15
Total		**75 Hours**

Course Outcomes	On completion of this course, students will	Program Outcomes
CO1	Understand object-oriented concepts and Java fundamentals including program structure and JVM architecture.	PO1, PO2, PO3
CO2	Apply data types, input/output, operators, control structures, and string handling in Java programs.	PO1, PO2, PO3, PO4
CO3	Develop Java classes, utilize inheritance, constructors, method overloading/overriding, and abstract classes.	PO1, PO2, PO3, PO5
CO4	Demonstrate the use of packages, interfaces, exception handling, and memory management in Java.	PO1, PO2, PO4, PO6
CO5	Implement multithreaded programs, applets, and handle synchronization and deadlock scenarios.	PO1, PO2, PO3, PO7

Prescribed Texts

1. Herbert Schildt, The Complete Reference, Tata McGraw Hill, New Delhi, 7th Edition, 2010.

2. Gary Cornell, Core Java 2 Volume I – Fundamentals, Addison Wesley, 1999.

Reference Books:

1. Head First Java, O'Rielly Publications, Y. Daniel Liang, Introduction to Java Programming, 7th Edition, Pearson Education India, 2010.

Web Resource :

1.Https://Gurukpo.Com/Content/Bba/Production_And_Material_Management.

2.http://ebooks.lpude.in/management/mba/term_4/DMGT525_MATERIALS_MANAGEMENT.pdf

3.https://perso.crans.org/fortineau/ressources_maxnce_nouchet/Introduction%20to%20Materials%20Management.pdf

4.https://www.worldcat.org/title/production-and-operations-management/oclc/695033719

Java Programming Lab

Learning Objectives: (for teachers: what they have to do in the class/lab/field)

- To gain practical expertise in coding Core Java programs
- To become proficient in the use of AWT, Event Handling and Swing.

Course Outcomes: (for students: To know what they are going to learn)

CO1: Code, debug and execute Java programs to solve the given problems

CO2: Implement multi-threading and exception-handling

CO3: Implement functionality using String and StringBuffer classes

List of Programs

1. Write a Java program that prompts the user for an integer and then prints out all the prime numbers up to that Integer?
2. Write a Java program to multiply two given matrices.
3. Write a Java program that displays the number of characters, lines and words in a text?
4. Generate random numbers between two given limits using Random class and print messages according to the range of the value generated.
5. Write a program to do String Manipulation using Character Array and perform the following string operations:

String length

Finding a character at a particular position

Concatenating two strings

6. Write a program to perform the following string operations using String class:
    a. String Concatenation
    b. Search a substring
    c. To extract substring from given string
7. Write a program to perform string operations using String Buffer class:
    a. Length of a string
    b. Reverse a string
    c. Delete a substring from the given string

8. Write a java program that implements a multi-thread application that has three threads. First thread generates random integer every 1 second and if the value is even, second thread computes the square of the number and prints. If the value is odd, the third thread will print the value of cube of the number.
9. Write a threading program which uses the same method asynchronously to print the numbers 1 to 10 using Thread1 and to print 90 to 100 using Thread2.
10. Write a program to demonstrate the use of following exceptions.
    a. Arithmetic Exception
    b. Number Format Exception
    c. Array Index Out of Bound Exception
    d. Negative Array Size Exception

Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	S	S	M	L	M	S	-	L
CO 2	S	S	M	S	M	S	-	M
CO 3	S	S	M	M	S	S	-	M
CO 4	S	S	L	S	M	S	L	M
CO 5	S	S	M	S	M	S	S	M

S – Strong | M – Medium | L – Low | – No Correlation

CO-PSO Mapping with program specific outcomes (Course Articulation Matrix)
Level of Correlation between PSO's and CO's

CO /PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	2	2	2
CO2	2	3	2	3	2
CO3	2	3	3	3	2
CO4	2	3	3	3	2
CO5	2	3	3	3	3
Weightage	10	15	13	14	11
Weighted percentage of Course Contribution to Pos	2.0	3.0	2.6	2.8	2.2

COURSE CODE	COURSE TITLE	L	T	P	C
	Stock Market Operation	**2**	**-**	**-**	**2**

COURSE OBJECTIVES	1. To understand the functions of stock exchange and stock index. 2. To learn conditions bull market 3. To learn conditions of bear market **4.** To understand various activities of stock trading **5.** To gain knowledge on online trading

UNIT	SYLLABUS	INSTRUCTIONAL HOURS
UNIT 1	**Introduction to Stock Exchanges:** Meaning of Stock Exchanges – Features - Functions – Importance – Stock Exchanges in India – Participants in the stock exchanges – Market Index - Types	6
UNIT 2	**An Overview of Bull Market:** Meaning of Bull Market - Indicators of Bull market - Strategies for Trading a Bull Market	6
UNIT 3	**An Overview of Bear Market:** Meaning of Bear Market - Indicators of Bear market –- Strategies for Trading a Bear Market.	6
UNIT 4	**Stock Trading:** Steps in Stock Trading -Online Trading Vs Offline Trading - Trading account Vs DEMAT Account – Benefits.	6
UNIT 5	**Online Trading Techniques:** Strategies for online trading - Trade Settlement – Types - Intraday Trading - Features - Margin Trading - Features - Advantages - Types - SEBI guidelines for margin Trading - Insider Trading.	6
Total		**30 Hours**

Course Outcomes	On completion of this course, students will	Program Outcomes
CO1	Clarity over the functions of stock exchange and indices	PO1, PO2, PO3
CO2	Enhanced knowledge of bull market	PO1, PO2, PO3, PO4
CO3	Enhanced knowledge of bear market	PO1, PO2, PO3, PO5
CO4	Idea about of stock trading strategies	PO1, PO2, PO4, PO6
CO5	Knowledge on online trading and Familiar with the functions of SEBI	PO1, PO2, PO3, PO7

Book for Reference:

- *Dr.L.Natarajan - Securities Laws & Market Operations, Margham Publications , Chennai*

Recommended Books:

- P.S. Balaram & Smt. T. Sri Lakshmi - Stock Market Operations, Himayala Publishing House, New Delhi.

- Dr.L.Natarajan - Securities Laws & Market Operations, Margham Publications , Chennai. –

- Dr S Gurusamy - Securities Laws and Market Operations, Vijay Nicole, Chennai.

Learning Resources:

- **https://backup.pondiuni.edu.in/sites/default/files/security%20market%20operations-260214.pdf**
- **https://cbseacademic.nic.in/web_material/publication/cbse/45CapitalMarketOperations-XII.pdf**
- **https://ebooks.lpude.in/commerce/mcom/term_4/DCOM507_STOCK_MARKET_OPERATIO NS.pdf**

Question Paper Pattern:

Section	Question Component	Numbers	Marks	Total
A	Definition/Principle Answer ANY 10 out of 12 questions (2 Questions from each units and remaining 2 questions from Larger Unit)	1-12	2	**20**
B	Answer any 5 out of 8 questions (one questions from each units and 3 from larger units)	13-20	**7**	**35**
C	Essay Answer any 3 out of 5 questions (one questions from each units)	21-25	**15**	**45**
TOTAL MARKS				**100**

Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	**S**	**S**	M	L	M	L	–	M
CO 2	**S**	**S**	M	**S**	M	L	–	M
CO 3	**S**	**S**	M	M	**S**	L	–	M
CO 4	**S**	**S**	L	**S**	M	**S**	L	M
CO 5	**S**	**S**	M	M	M	**S**	**S**	**S**

S – Strong | M – Medium | L – Low | – No Correlation

CO-PSO Mapping with program specific outcomes (Course Articulation Matrix)
Level of Correlation between PSO's and CO's

CO /PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	2	2
CO2	3	2	3	2	2
CO3	3	2	3	2	2
CO4	3	2	3	3	2
CO5	3	3	3	3	3
Weightage	15	11	15	12	11
Weighted percentage of Course Contribution to Pos	**3.0**	**2.2**	**3.0**	**2.4**	**2.2**