

या परिपत्रकाची एक प्रत :-

- १) मा. परिक्षा नियंत्रक, परिक्षा विभाग,
 - २) मा. प्राचार्य, सर्व संलग्नीत महाविद्यालये,
 - ३) संचालक, युनिव्हर्सिटी यांना विनंती करायची आहे. सदरील अभ्यासक्रम विद्यापीठाच्या संकेतस्थळावर उपलब्ध करून देण्यात यावे.
 - ४) संचालक, ई-सुविधा केंद्र, विद्यापीठ परिसर,
 - ५) जनसंपर्क अधिकारी, मुख्य प्रशासकीय इमारत,
 - ६) आर्थिक अधिकारी, पात्रविभाग, मुख्य प्रशासकीय इमारत,
 - ७) आर्थिक अधिकारी, वाणिज्य विभाग, परीक्षा भवन,
 - ८) अभिलेखीय विभाग, मुख्य प्रशासकीय इमारत मागे,
- डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.**

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Syllabus of

M.COM. [E-COMMERCE]

1ST YEAR

SEMESTER-I & II

[Effective from 2014-15 & onwards]

Master of E-Commerce

0._ “A candidate seeking admission to Master of E-Commerce (M-Ecommerce) should have passed bachelors degree examination of any faculty with at least 45% of marks of Dr. Babasaheb Ambedkar Marathwada University or any other degree of any University equivalent thereto.

0._ The Master of E-Commerce (M-Ecommerce) shall be conferred on a candidate who has passed a regular course of study consisting of two years (Four Semesters) in the relevant subjects as prescribed and has appeared at and passed in all subjects as prescribed for the semester and has appeared at and passed in all the semester examinations prescribed for Master of E-Commerce course.

- R. a) “The maximum number of students admitted for a theory class shall not exceed 60 and the number of students in a batch of practicals will depend upon the facilities available at the center in the student computer ratio of 1:1
- b) “Students will be admitted on the basis of performance at the Common Entrance Test. to be conducted by the college. The reservation for the backward classes and the other states shall be as per the rules in vogue for this purpose.
- R. The course of study for the Master of E-Commerce will be of two years duration (Four Semesters).
- R. “There will be 4 lectures per week for each theory paper and two hours practical for each sessional work. In all the total practical of 12 hours per week per student, shall be provided.
- R. In order to pass the examination of Master of E-Commerce a candidate must score atleast 40% marks in each theory, sessional and project work of a semester and 50% in aggregate of all semester’s marks.
- R. To clear a semester a student must have secured atleast 40% marks in each paper of theory, and each sessional and project work.

- R. The Sessional work and project work will be assigned by a guiding teacher and it will be assessed by the concerned faculty.
- R. A student who secures atleast 40% marks in each individual theory papers sessional and project work and secures 50% or more marks but less than 55% of marks in aggregate of all semester will be declared to have passed in the Second Division. There will be no pass class.
- R** A student who secures 55% or more marks but less then 60% of marks in aggregate of all semester will be declared to have passed in Higher secondary (B +) Division
- R. A student who has secured atleast 40% of marks in each theory paper and each sessional and project work and 60% or more marks in aggregate of all semesters will be declared to have passed in First Division.
- R A Candidate who has failed in not more than 25% of papers at the first year examination shall be allowed to keep terms for second year

SYLLABUS OF M.E-COMMERCE**Four Semester Master Degree Course****The following shall be the scheme of Examination****First Year****Semester-I**

Paper no:	Title of paper	Duration of Theory Exam	Marks in Theory	Sessional Marks	Aggregate Marks
I	Operating System Concept	3	60	40	100
II	OOPS with C++	3	60	40	100
III	E-commerce Essential	3	60	40	100
IV	Financial Accounting with Tally	3	60	40	100
V	DSS & MIS	3	60	40	100
VI	Cost Accounting	3	60	40	100
Total			360	240	600

Semester II

Paper no:	Title of paper	Duration of Theory Exam	Marks in Theory	Sessional Marks	Aggregate Marks
VII	JAVA & Web programming	3	60	40	100
VIII	Management Accounting & Control	3	60	40	100
IX	RDBMS Concepts and Oracle	3	60	40	100
X	Fundamental of Statistics	3	60	40	100
XI	Visual Programming Using VB	3	60	40	100
XII	Business Regulatory Framework	3	60	40	100
Total			360	240	600

Semester I
Operating System Concepts
Paper No. I

Unit - I

Introduction

Evolution of operating systems, Types of operating systems, Different Views of the operating systems, operating system concepts and structure.

Processes:

The process concept, systems programmer's view of processes. The operating system services for process management, Scheduling algorithms. Performance evaluation.

Memory Management

Memory Management without swapping of paging, swapping, virtual memory page replacement algorithms, modeling paging algorithms, design issues for paging systems, segmentation.

Unit -II

Inter-process Communication and Synchronization.

The need for interprocess synchronization, mutual exclusion., semaphores, hardware support for mutual exclusion, queuing implementation of semaphores, classical problems in concern programming critical region and conditional critical region, monitors, messages deadlocks.

Unit -III

File Systems.

File systems, directories, file systems implementation, security protection mechanism.

Input / Output

Principles of I/O Hardware: I/O devices, device controllers direct memory access. Principles of I/O Software: Goals, interrupt handlers, device drivers, device independent I/O software, User space I/O software. Disks. Disk hardware, scheduling algorithms, Error handling, trace-at-a-time caching, RAM Disk.

Clocks: Clock hardware, memory mapped terminals, I/O software.

Terminals: Terminal hardware memory mapped terminals, I/O software.

Processes and Processors in Distributed Systems: Threading, system models, processor allocation scheduling.

Unit - IV

Distributed File Systems: Design, implementation, and trends.

Performance Measurement, monitoring and evaluation :Introduction, important trends affecting performance issue, why performance monitoring and evaluation are needed, performance measures, evaluation techniques, bottlenecks and saturation, feedback loops.

Case Studies : MS, DOS,MS WINDOWS, LINUX(UNIX) operating systems.

Books Recommended

Deitel H.M., "An Introduction to Operating system". Addison Wesley Publishing Company 1984.

Milenkovic, M., "Operating Systems – concepts and Design", McGraw Hill International Edition Computer Science Series 1992.

Peterson, J.L. Abraham Silberschatz. " Operating System Concepts " Addison Wesley publishing Company 1989.

Tanenbaum, A.s. "Modern Operating System", Prentice Hall of India Pvt. Ltd. 1995.

OOPS with C ++

Paper No II

Unit – I

Concepts of Object Oriented Programming,
Working with C ++
Tokens, Expressions and Control Structures.

Unit - II

Functions in C ++
Classes and Objects
Constructors and Destructors

Unit -III

Operator Overloading and Type Conversions
Inheritance: Extending Classes
Pointer, Virtual Functions and Polymorphism
Managing Console I/O Operations

Unit IV

Working with Files
String Manipulation.
Object – Oriented System Development

Books Recommended

1. E. Balguruswamy “Object Oriented Programming with C ++ “ Tata Mc Graw Hill Pub Co. Ltd.
2. Pohl “ Object Oriented Programming using C++”, Addison wisely longman Pvt. Ltd.

E-Commerce Essentials

Paper No. III

Unit-I E-Commerce – Introduction, Definition, Scope, Electronic Commerce- Market – Trade Cycle, Electric Data Interchange, Internet Commerce.

Unit-II Business Strategy for E-Commerce, Value Chain, competitive Strategy and \ advantages, Business Strategy,

Unit-III B2B- Inter organizational transactions, EDI, Benefits, Technology, Standards, Security, on line business.

Unit-IV B2C – Consumer transaction, e-shop Internet, TCP/IP, WWW, HTML, Client and Server Scripting, Elements of E-Commerce, on line payments e-business, Internet banking, online share dealing, Bookshops, Software supports,

Unit-V E-business and structural transformation, Integrated Solutions, Integrated Enterprise Applications, Wireless Applications.

Unit-VI Constructing Electronic Business Design, Steps, Analysis, Diagnosis, Reversing Value Chain, Evaluation and Selection.

Books Recommended

1. David Whitley “E-Commerce – Strategy, Technologies and Application” Tata Mc Graw Hill.
2. Dr. Ravi Kalakots “ E-Business road map for success” Addison Wesley.
3. Greenstein Feinman, “Electronic Commerce” Tata Mc Graw Hill

Financial Accounting with Tally

Paper IV

Unit – I Comparative study of manual Account writing and computerized Account writing systems – with suitable **Illustration**.

Unit - II Working with Tally –Company Creation in Tally, Working with Accounting Info, Recording of transactions in tally. All subsidiary Books, Voucher Classes & entry, Modification / alteration of records, Report generation (procedure).

Unit–III Working with Payroll Info.

Unit–IV Working with Inventory Info.

Unit–V TDS & TCS Accounting, Service Tax, CST.

Books

1. Vishnu Priya Singh ‘Tally 9’
Computech Publication (Asian Division)
2. Ajay Matheswari ‘A Complete Self Learning Manual on ERP 9;

DSS & MIS

Paper No V

Unit I

Introduction to Management Information Systems, Overview of Management Information System. Structure of Management Information system, MIS: Support to Management, MIS and the user. Management as a control system, Information Systems Technology, Hardware, Software & communication technology for information systems.

Unit II

E-business Enterprise, Introduction, Organization of business in an E-enterprise. E-business, E-communication & E-collaboration, Information Security Challenges in E-enterprises, Security Threats & Vulnerability, Controlling security threat and vulnerability.

Unit III

Management Support System an Overview: Managers and Decision Making; Managerial Decision Making and Information Systems; Computerized Decision Support and Supporting Technologies; Benefits of MSS. Decision Support Systems: Introduction to the concept of Decision Support System; Components of DSS; Dialogue Management; Data Management and Model Management for DSS; Types of DSS, Systems Analysis and Design for DSS; Models in the context of DSS;

Unit-IV

Expert system: Definition, Role of knowledge in expert system, Architecture of expert system. **Expert system development life cycle:** Problem selection, Prototype construction, Formalization, Implementation, Evaluation, Knowledge acquisition: Knowledge engineer, Cognitive behavior, Acquisition techniques, Knowledge representation: Level of representation, Knowledge representation schemes, Formal logic, Inference Engine, Semantic net, Frame, Scripts.

Books:

1. MIS: Conceptual Foundations, structure & development by Gordon B. Davis, Margrethe H. Olson, Tata McGraw Hill.
2. MIS, Text & Cases, Third Edition by Waman S. Jawadekar, Tata McGraw Hill.
3. David W. Rolston: Principles of Artificial Intelligence and Expert System Development, McGraw Hill Book Company, Decision Support System and Expert System, Pearson, Efrain. E. Turban
4. Elaine Rich, Kevin Knight: Artificial Intelligence, Tata McGraw Hill.

Advanced Cost Accounting

Paper VI

Unit-I Budgetary Control Systems- Concepts and features, Budget and Forecast- Budget Types and Process, Pre-requisites of Budgetary Control system, Administration of the Budgetary Control system, Revision of Budgets, Rolling Budgets, Zero Base Budgeting, Performance Budgeting

Unit-II Standard Costing- Features, Distinction of Standard Costing and Budgetary Control, Types, Setting Standard Costs, Variance, Variance Analysis and Accounting, Material, Labour and Overheads Variance Analysis, Sales Variance

Unit-III Marginal Costing – Marginal Cost, Contribution, Features of marginal costing, Applications of Marginal Costing.

Unit-IV Break Even and Cost Volume Profit Analysis- Break even Analysis Assumptions, BEP, Methods of determining BEP, Contribution, P/V Ratio, Margin of Safety, Angle of Incidence, Chart, Impact of variable and Fixed Cost, BEP where multiple products are involved, Utility and applications of Cost Volume Profit Analysis.

Unit-V Presentation of Financial and Cost Information to Management – Conceptual Foundation, Prerequisites of Reports, Types of Reports, Reports to Management, Installing a Management Report System, Bankers and Management Reporting,

Books:

1. Manash Datta- Cost Accounting Principles and Practice, Pearson Education
2. Jain & Narang – Cost Accountancy
3. Nigam & Sharma – Cost Accounting
4. Arora – Cost Accountancy
5. S N Maheshwari – Cost Accounting Problems and Solutions.

Semester II

Java & Web Programming

Paper No. VII

Java – A programming language, Overview of Java & OOPS, Data types, Variables, Operators, Arrays, Control Structures, Classes, Methods, Inheritance, Packages & Interfaces, Multi threaded Programming. Errors and Exception handling, Applet Programming, Executable Applets, Applet Tag, Web Page Designing, HTML, Graphics Programs, Files in Java.

Books Recommended

1. E- Balguruswamy “Programming with Java” Tata Mc Graw Hill.
2. Herbet Schildt “The Complete Reference Java 2 “ Tata Mc Graw Hill.
3. Rebelsky “Experiments in Java “ Addison Wesley.
4. Winston “On to Java” Addison Wesley.
5. Eckel “Thinking in Java” Addison Wesley.

Management Accounting & Control **Paper No VIII**

Unit – I Management Accounting : (Theory) Meaning, Definition, Nature, Objectives, Scope and Functions of Management Accounting, Management Accounting and Financial Accounting, Management and Cost Accounting, Utility of Management Accounting, Management Accounting Tools, Advantages and Limitations of Management Accounting.

Unit – II Analysis and Interpretation of Financial Statements :

(Theory) Concept Nature, Objectives of Financial Statements, Limitations of Financial Statements, Analysis and Interpretation of financial statements, Types of Financial Analysis, Commensize Statement, Trend Analysis, Comparative Statement, Tools and techniques of Financial Analysis.

Unit – III Ratio Analysis : (Numerical) Meaning of Ratios,

Advantages and Limitations of Ratios, Classification of Ratios, Profitability and Financial Ratios. (Gross Profit Ratio, Net Profit Ratio, Operating Ratios, Return on Capital Employed, Current Ratio, Liquid Ratio, Inventory Turnover Ratio, Debtors Turnover Ratio, Creditors Turnover Ratio, Proprietary Ratio.

Unit – IV Fund Flow Analysis & Cash flow Analysis (Numerical): Concept of Funds, Sources and Uses of Funds, Concept of Flow, Funds Flow Statement, Managerial uses of Funds Flow Analysis, Statement of Changes in working Capital, Funds Flow Statements (Statement Form only) & (Indian Accounting Standard – 3), Cash flow statement (Statement Form only) J-[F] NPW COMMERCE - B.Com. Vth & Vth Semester Syllabus.doc - 14 -

Unit – V Budget & budgetary Control: Meaning, Definition, Types of Budgets, Forecasts & Budget, Meaning objective, importance, & limitation of Budgetary control. Cash Budget & Capital Budgeting

Suggested Book Readings :

1. Khan M.Y. & Jain P.K. : Management Accounting.
2. Hingorani : Management Accounting.
3. I.M. Pandey: Management Accounting, Vikas Publication

RDBMS Concepts & Oracle

Paper No. IX

Unit – I DBMS, concept, Characteristics, Architecture, Types of data models, Schemas & instances, Language interfaces.

Unit – II RDBMS - Concepts, Data definition, SQL , Queries, Constraints & indexes, Oracle. Relational Database Design, Normalisation, Function Dependencies.

Unit –III Concurrency control and Recovery Techniques.

Unit –IV Study of Oracle - Defining scheme for application - creation of databases, SQL queries to retrieve information from databases, sample applications like Library , Shop, Internet - Café, Restaurant, ISP, Cable Transmission operator, Result Processing, Bank Account, College and Hostel Database Management

Books Recommended

- 1 Elmasri & Cavathe , Fundamentals of Data base Systems, Addison Wesley.
- 2 Desai “ An Introduction to Database Concept, Galgotia Publications.
- 3 Korth “Database Management System”
- 4 Leon “SQL” Tata Mc Griw Hill.
- 5 Abbey & Corey “ Oracle - A beginner’s guide “ Tata Mc Graw Hill.
- 6 Rodgers “ Oracle-A Database Developer’s guide” Addison Wesley.
- 7 Majumdar & Bhattacharya “Introduction to DBMS” Tata Mc Graw Hill.

Statistics

Paper No. X

Unit -I Statistics – Definition, Nature, Scopes, advantages and Limitations Statistical Survey, Collection of Data, Sample, Classification & Tabulation, Graphic presentation.

Unit –II Measures of Central Tendency – Mean, Median, Mode, Geometric Mean, Harmonic mean.

Unit –III Skewness – Measures – Absolute, Relative, Karl Pearsons Coefficient of Correlation.

Unit - IV Regression Analysis – Difference between Correlation & Regression – Regression Equation – Y on X – X on Y – Deviations.

Unit - V Index Number - Concept – Methods Laspeyers, Paasche, Fishers.

Unit-VI Time Series Analysis – Utility, Components, Measuring Trend, Seasonal variation.

Books Recommended

1. D.N Elhance, “ Fundamentals of Statistics ”, Kitab Mahal
2. S.P Gupta “ Statistical Methods” , S. Chand & Co.

Visual Programming using VB

Paper XI

Unit - I Visual Basic

Need for Visual Basic - Starting Visual Basic - Overview of Visual Basic application development - The Visual Basic Environment - Initial VB Screen, Title bar, Overview of menu bar, - SDI (Single Document Interface Environment), - Toolbars, Toolbox, Properties Windows, - Use of different menus of VB's initial screen

Unit - II

Working with forms

The Anatomy of a form, The Border, The Title Bar, The Caption, - The Control Menu, - The minimize, maximize and restore button, The close button, - Working with Form Properties, - Introducing Form Events, & Form Methods, - Multiple Document Interface (MDI) Forms

Unit – III

Selecting and Using Controls:

Introducing Controls, Using Different Controls and their properties, & events

Command Buttons, Text Boxes, Labels, option Buttons, Check Boxes, Frame Control, List Boxes, Combo Boxes, Image Objects, Picture Boxes Tree View Control, List View Control, Image List Control, Status Bar Control, Adding Other Controls to the toolbox

Unit – IV

Understanding Data Types, Logic and Program Flow Introducing variables, Variable Types, Working with a String, Scope of variables, Using arrays, dynamic arrays and control arrays, Using Constants, Operators in Visual Basic, Evaluating Conditions in Code, If.....Then.....Else Statements, The nested if statements, Select Case.....End Select, Performing Repetitive Tasks, For.....Next Loops, Do.....Loops, While.....Wend Loops, creating menus & toolbar.

Unit – V

Accessing databases, database control, DAO, ADO, RDO, VB and Access Connectivity, Designing Reports, Introduction, Objectives, Report Designer, Creating Reports

Books:

- | | |
|------------------------------|-----------------|
| 1. Visual Basic 6.0 | By Gary Cornell |
| 2. Visual Basic 6 | By Steve Brown |
| 3. Muvach's Visual Basic 6.0 | By Muvach |

BUSINESS REGULATORY FRAMEWORK
Paper No XII

Unit-I Law of Contract-Nature of Contract, Classification, Essential Elements of Valid Contact.

Unit-II Performance of Contract-Discharge of Contract- Breach of Contract

Unit-III Special Contract-Indemnity Contract, Gurantee, Agency

Unit-IV Consumer Protection Act 1986 – Defination of Consumer, Consumerisation, Machinery to slove the problem of Consumers with Redressl Machinery.

SUGGESTED READINGS:

- (1) Desai T.R. :- Indian Contract Act, and Partnership Act. S.C. Sarkar and Sons Pvt. Ltd. Kolkata
- (2) Kuchal M.C. :- Business Law, Vikas Publishing House, New Delhi.
- (3) Kapoor N.D. :- Business Law, Sultan Chand and Sons, New Delhi.
- (4) Singh Avtar :- The Principles of Meercantile Law, eastern Book Company, Lucknow.

