

North Maharashtra University, Jalgaon
Faculty of Commerce and Management

Syllabus for **F.Y.B.B.M (e-Com.) (W.E.F.: June – 2008)**

Semester – I Subject: E1.1 Financial and Cost Accounting –I (Tally 9.2)
Total Lectures: 48

Total Marks: 80 External +20 Internal =100 Marks
80 External (Theory 50 + Practical 30) +
20 Internal (Theory 10 + Practical 10)
[Theory 60 + Practical 40] =Total 100 Marks

Section - I : Financial Accounting	40 Marks (Theory Exam)
Section - II: Cost Accounting	20 Marks (Theory Exam)
Section – III: Tally Accounting Package	40 Marks (Practical Exam)

SECTION - I FINANCIAL ACCOUNTING

- 1. Accounting standards** **Lectures 4**
 - 1.1. Introduction & Objectives
 - 1.2. Advantages, And Applicability Of Accounting Standards
 - 1.3. Elementary Study Of
 - 1.3.1. As-1: Disclosure Of Accounting Policies,
 - 1.3.2. As-2 M: Valuation Of Inventories
 - 1.3.3. As-6 : Depreciation Accounting
 - 1.3.4. As-10 : Accounting For Fixed Assets

- 2. Insurance Claims** **Lectures 5**
 - 2.1. Claims Under Fire Insurance Policies,
 - 2.2. Claims For Loss Of Stock;
 - 2.3. Claims For Loss Of Profit

- 3. Accounting For Investment** **Lectures 7**
 - 3.1. Preparation Of Investment Account For Fixed Income Bearing Securities.
 - 3.2. Cum-Interest Purchase And Sale, And Computation Of Profit There-From.
 - 3.3. Ex-Interest Purchase And Sale Of Securities, And Computation Of Profit There-From.Refer To Accounting Standard As -13: Accounting For Investment

- 4. Accounting For Educational Institutions** **Lectures 4**
 - 4.1. Accounting For
 - 4.1.1. Grants,
 - 4.1.2. Donations,
 - 4.1.3. Fees,
 - 4.1.4. Deposits,
 - 4.1.5. Fund.
 - 4.2. Preparation of Final Statements of Account.
Refer To Societies Registration Act, 1860, & Bombay Public Trust Act, 1950

5. Cost Accounting **Lectures: 4**

- 5.1. Basic concepts
 - 5.1.1. Cost, Expense , Loss,
 - 5.1.2. Costing, Cost Accounting
 - 5.1.3. Cost Unit, Cost Centre
- 5.2. Elements of Costs
- 5.3. Direct & Indirect
- 5.4. Classification of Costs on the basis of various criteria
- 5.5. Advantages and Limitations of Cost Accounting

6. Materials **Lectures: 6**

- 6.1. Importance of Materials accounting and control
 - 6.2. Procedure and documentation of Purchasing and Storekeeping
 - 6.2.1. Purchase Requisition
 - 6.2.2. Purchase Order
 - 6.2.3. Goods Received Note
 - 6.2.4. Inspection Report
 - 6.2.5. Materials Requisition
 - 6.2.6. Materials Transfer Note and Materials Return Note.
 - 6.3. Stores Accounting
 - 6.3.1. Bin Cards, Store Ledger
 - 6.3.2. Perpetual Inventory system
 - 6.3.3. Pricing of Materials issues under FIFO, LIFO, Simple Average Method,
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7. Introduction To Tally **Lectures: 18**

- 7.1. Features of Tally Software (Version 9.2)
- 7.2. Starting Tally - Gateway of Tally and Exit from Tally
- 7.3. Company creation in Tally, Saving the company profile, Alteration / deletion of company, Selection of company
- 7.4. Account Groups and Ledgers
 - 7.4.1. Hierarchy of Account Groups and Ledgers,
 - 7.4.2. Reserved account Groups,
 - 7.4.3. Account groups of Balance Sheet
 - 7.4.3.1.Account Groups of Liabilities,
 - 7.4.3.2.Account Groups of Assets
 - 7.4.4. Account groups of Profit & Loss account
 - 7.4.4.1.Account groups of Direct Income and Direct Expenses apart from Sale and Purchases,
 - 7.4.4.2. Indirect Income and Indirect Expenses
- 7.5. Account Masters

- 7.5.1. Account Groups Creation
- 7.5.2. Account Ledgers Creation
- 7.6. Feeding of Opening Balances
- 7.7. Alteration / Deletion of Account Master Records
- 7.8. Feeding of Closing Stock Value

(Lectures allocation includes practical on the tally 9.2 .)

Books on Financial Accounting -

1. Advanced Accounting Volume 1 – Ashok Sehgal and Deepak Sehgal, Taxmann Allied Services (P) Ltd., New Delhi
2. Advanced Accountancy – Vol. I , R. L. Gupta & M. Radhaswamy, Sultan Chand & Sons
3. Fundamentals of Accounting, Dr. T. P. Ghosh, Sultan Chand & Sons
4. Accountancy for C.A. Foundation Course , P.C. Tulsian, Tata McGraw Hill
5. Advanced Accountancy Volume –I P. C. Tulsian , Peareson Education (Singapore) Pvt. Ltd, Indian Branch, New Delhi
6. Advanced Accounts, M.C. Shukla, T. S. Grewal & S.C. Gupta, S. Chand & Co Ltd.
7. Fundamentals of Accounting, Dr. S.N. Maheshwari & Dr. S.K. Maheshwari, Vikas Publishing House, New Delhi
8. Advanced Accountancy Vol.-I, Vol-2, Dr. S.N. Maheshwari & Dr. S.K. Maheshwari, Vikash Publishing House Pvt. Ltd.
9. Advanced Accountancy, S.P. Jain & K.L. Narang, Kalyani Publishers

Books on Cost Accounting -

1. Fundamentals of Cost Accounting, Dr. S.N. Maheshwari, Sultan Chand & Sons
2. Saxena and Vaishish : Advanced Cost Accounting.
3. Maheshwari and Mittal : Cost Accounting.
4. Jain and Narang : Advanced cost Accounting.
5. Nigam and Sharma : Cost Accounting.
6. N. Sarkar Cost Accounting.
7. B. K Bhar :Cost Accounting.
8. N. K. Prasad : Advanced Cost Accounting.
9. Cost Accounting for C.A. , Dr. N. K. Agrawal, Suchitra Prakashan Pvt. Ltd
10. Cost Accounting (Problem and Theory), S. N. Maheshwari, Mahavir Publication
11. Cost Accounting (Methods & Problems), B. K. Bhar, Academic Publisher, Calcutta
12. Principles and Practices of Cost Accounting, Ashish K. Bhattacharya, A.H. Wheeler Publisher

Books on Tally Accounting package

1. Implementing Tally 9: Comprehensive Guide For Tally 9 & 8.1 - A. K. Nadhani, K. K. Nadhani, BPB Publishers, New Delhi.
2. Simple Tally 9 - A. K. Nadhani, K. K. Nadhani, BPB Publishers, New Delhi.
3. Practical Approach towards Tally 8.1 and 9.0, S. H. Sharma, Siddhant Prakashan, Aurangabad
4. Tally 9.2 Comdex Publisher

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NORTH MAHARASHTRA UNIVERSITY, JALGAON

Faculty of Commerce and Management

Syllabus for F.Y.B.B.M.(e-Com) (W.E.F.: June 2008)

Semester – I

Subject: E 1.2 Communicative English

Total Lect - 48

[Total Marks: 80 External + 20 Internal = 100 Marks]

A) Writing Skills for Business

- 1) Writing an outline
- 2) Paragraph development
- 3) Art of condensation-precis writing and summarizing
- 4) Preparing Reports and Proposals
- 5) Letters, memos, e-mails
- 6) Instructions
- 7) Advertisements
- 8) Resumes and CV's

B) Conversation Skills

- 1) Essentials of a Business conversation
 - 2) Etiquettes
 - 3) Product Instructions
 - 4) Interview Techniques
 - 5) Conducting Meetings
 - 6) Group Discussions and Presentations
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The Question Paper format will be provided later.

LIST OF REFERENCE BOOKS

- 1) Resumes for Professionals – Brown Marshall
- 2) Resume Writing – Saradam
- 3) Spoken English – A Hands on guide to English Conversation
Practice – Sreevalsan
- 4) A Grammar of the English Language – Willian Corbett
- 5) Pocket Book of Basic English Usage – Michael Swan
- 6) Longman Dictionary of Common Errors – H.D. Turton
- 7) Successful Resumes – Nickart Janet
- 8) Effective Writing – Turk Christopher
- 9) Better English Pronunciation – J. D.O’Connor
- 10) Achieving Success in Second Language Acquisition – Betty Lou
Leaver
- 11) A Foundation Course in Spoken English Part I and II –
Sadanand Kamlesh
- 12) Effective Speaking – Turk Christopher
- 13) Perfect Written English – Chris West
- 14) A Course in Communication Skills – Dult P. Kiranmal
- 15) Academic Writing – A Handbook for International Students –
Stephen Bailey
- 16) Fowler’s Modern English Usage – Robert Allen
- 17) Exercises in Contemporary English – John
- 18) A Textbook of English Phonetics for Indian Students – T.
Balasubramaniam.
- 19) Communicating in English – Isabel Mephedran
- 20) An Introduction to the Pronunciation in English – A.C. Gimson
- 21) Business Communication- Minakshi Raman and Prakash Singh
- 22) Technical Communication – Minakshi Raman and Sangeeta
Sharma

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Syllabus for **F.Y.B.B.M (e-Com.)** (W.E.F.: June – 2008)

Semester–I Subject: E1.3: Foundation Course In Commerce & Management
Total Lectures: 48 [Total Marks: 80 External +20 Internal =100 Marks]

1. Fundamentals of Commerce & Industry Lectures 12

- 1.1. Business : Meaning, Definition, & Objectives,
- 1.2. Need, Importance & Role of Business in the Economy
- 1.3. Business Ethics & Social Responsibility of Business
- 1.4. Business Environment
 - 1.4.1. Meaning, & Definition,
 - 1.4.2. Dimensions : Economic, Political, Social, Cultural, Educational, Legal, Technological,
 - 1.4.3. Environmental influence on Organisation & Management
 - 1.4.4. Elements of External Environment
 - 1.4.4.1.Environment Organisation Relationship
 - 1.4.4.2.Organisational Responses to Environment
- 1.5. Industry
- 1.6. Commerce : Trade & Aids to Trade
- 1.7. Profession & Vocation
- 1.8. Organisation:
 - 1.8.1. Meaning , Elements,
 - 1.8.2. Forms of Organisation
 - 1.8.3. Organisation Structure

2. Accounting & Auditing Lectures 12

- 2.1. Accounting
 - 2.1.1. Double Entry System
 - 2.1.2. Principles, Conventions & Rules of Accounting
 - 2.1.3. Types of Accounts
 - 2.1.4. Revenue, Expenses, Deferred Revenue, Accrual, Assets, Liabilities
 - 2.1.5. Journal Entries, Posting, & Balancing the accounts
 - 2.1.6. Closing Entries
 - 2.1.7. Trial balance, Manufacturing, Trading, and Profit & Loss Account,
 - 2.1.8. Tangible And Intangible Assets, Fictitious Assets
 - 2.1.9. Errors, Rectification of Errors, & Reconciliation of Bank Accounts
 - 2.1.10. Impact of Computer on Accounting
- 2.2. Auditing
 - 2.2.1. Principles of Auditing
 - 2.2.2. Vouching, Verification & Investigation
 - 2.2.3. Internal, Continuous, Concurrent, Revenue & Statutory Audits
 - 2.2.4. Audit in Computerised Environment
 - 2.2.5. Audit Queries & Compliance
 - 2.2.6. Qualified & Clean Audit Reports

3. Banking & Insurance Lectures 12

- 3.1. Banking**
 - 3.1.1. Banking & Principles Of Sound Banking
 - 3.1.2. Commercial Banks, Central Banks, Co-Operative Banks & Rural Banks
 - 3.1.3. Core Banking & Universal Banking

- 3.1.4. E- Banking & E-Banking Products
- 3.1.5. N.P.A.s & C.R.A/R.,C.R.R.,S.L.R. P.L.R., Libor
- 3.1.6. Secuterisation Of Assets
- 3.1.7. Micro Finance, Financial Inclusion & S.H.Gs
- 3.1.8. Impact Of Information Technology on Banking
- 3.1.9. Money Market & Submarkets
- 3.1.10. Stock Market ,Capital Market & Commodity Markets
- 3.1.11. Full Convertibility On Capital Account

3.2. Insurance

Lectures 12

- 3.2.1. Risk: Meaning, Retention, Transfer, & Management
- 3.2.2. Insurance: Meaning, Need, Functions, & Classification
- 3.2.3. Life Insurance, Individual, & Group Insurance, General Insurance
- 3.2.4. Under & Over Insurance
- 3.2.5. Insurance Contract
- 3.2.6. Reinsurance & Double Insurance
- 3.2.7. Life Expectancy & Actuaries
- 3.2.8. Policy & Premium
- 3.2.9. Cover Note

4. Management & Administration

Lectures 12

- 4.1. Principles, & Practices of Management
- 4.2. Levels of Management & their functions
- 4.3. Management V/S Administration
- 4.4. Authority, Responsibility & Accountability
- 4.5. Span Of Control
- 4.6. Business Policy & Strategy
- 4.7. Corporate Governance
- 4.8. Coordination & Control
- 4.9. Human Resource Management
- 4.10. Office Management
- 4.11. Disaster Management & Crises Management
- 4.12. Event Management
- 4.13. Services Management

Books

1. Principles & Practice Of Insurance- Dr. P. Periasamy, Himalaya
2. Himalaya Publishing House, Mumbai, Second Ed. 2007.
3. Insurance & Risk Management- Dr. P. K. Gupta. Himalaya
4. Himalaya Publishing House, Mumbai, First Ed. Reprint 2007.
5. Legal Aspects Of Insurance- P.K.Gupta Himalaya Publishing House, Mumbai, First Ed. 2006.
6. Principles & Practices Of Non- Life Insurance- P. K. Gupta
7. Himalaya Publishing House, Mumbai, First Ed. 2006.
8. Principles & Practice Of Insurance- N.S. Kothari & Dr. Pravin BhalSahitya Bhavan, Agra Ed. 1989.
9. Insurance – Principles & Practice – M. N. Mishra S.Chand & Co. Ltd., New Delhi Second Ed. 1982.
10. Books Published By Insurance Institutes Of India, New Delhi
11. Life Insurance: Kenneth Black & Harold Skipper(Jr.)
12. Microfinance Emerging Challenges by Bankers Institute of Rural Development
13. Basics Of Banking & Fiinance Dr K M Bhattacharya & O P Agrawal
14. Banking Theory & Practice; K.C..Shekhr &Laxmi Shekhar.Vikas Publishing

15. Bank in & Finance System :D.M.Mathani & E.Gorden
16. Financial Market & Services: Institutions :Gordan & Natrajan, Himalaya
17. The Indian Financial System: Bharati V.Pathak, Pearson Education
18. Fundamentals Of Accounting, Dr. T. P. Ghosh, Sultan Chand & Sons
19. Accountancy For C.A. Foundation Course , P.C. Tulsian, Tata Mcgraw Hill
20. Advanced Accountancy Volume –I P. C. Tulsian , Pearson Education, New Delhi
21. Advanced Accounts, M.C. Shukla, T. S. Grewal & S.C. Gupta, S. Chand & Co Ltd.
22. Fundamentals Of Accounting, Dr. S.N. Maheshwari & Dr. S.K. Maheshwari, Vikas Publishing House, New Delhi
23. Financial Accounting :A Mukherjee & M.Haneef ,Tata Mc-Graw Hill

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Syllabus for **F.Y.B.B.M (e-Com.) (W.E.F.: June – 2008)**

Semester – I

Subject: E1.4 Office Automation

Total Lectures: 48

Total Marks: 80 External +20 Internal = Total 100 Marks

80 External (Theory 50 + Practical 30) +

20 Internal (Theory 10 + Practical 10)

[Theory 60 + Practical 40] =Total 100 Marks

1. Office Automation

Lectures: 2

- 1.1. Introduction To Microsoft Office,
- 1.2. Overview Of The Office 2007 Applications,
- 1.3. Overview of the Primary Office Programs.

2. Microsoft Word

Lectures: 12

- 2.1. Create A New Document Using Template, Wizard & Working With Text,
- 2.2. Open An Existing Document,
- 2.3. Save The Document In Different Format,
- 2.4. Print The Document,
- 2.5. Find And Replace Text,
- 2.6. Spelling And Grammar Checking,
- 2.7. Character Formatting, Paragraph Formatting, Page Formatting,
- 2.8. Multicolumn News Letter, Styles, Themes, And Templates,
- 2.9. List, Create An Index, Create & Manage Tables,
- 2.10. Create A Cover Page, Insert Graphics Into A Document,
- 2.11. Add A Chart Or Worksheet To A Document, Insert A Symbol,
- 2.12. Use Autocorrect To Improve Your Typing,
- 2.13. Hyphenation, Add A Watermark, Building Blocks,
- 2.14. Auto format Your Document, Add A Header Or Footer,
- 2.15. Write Form Letters with Mail Merge, Add Word art To A Document.

3. Microsoft Excel

Lectures: 14

- 3.1. Create A New Workbook & Enter Data Into A Worksheet,
- 3.2. Open An Existing Worksheet,
- 3.3. Print A Worksheet, Excel Formulas,
- 3.4. Copy And Move Formulas, Insert And Delete Rows And Columns,
- 3.5. Edit Cell Data, Find And Replace Data,
- 3.6. Create A Range, Fill Cells With Auto Fill Data,
- 3.7. Enter Excel Functions, Use Excel's Function Wizard,
- 3.8. Reference Data Outside This Worksheet,
- 3.9. Dates And Times, Freeze Row And Column, Headers,
- 3.10. Format Cells, Multiple Columns ,Attach A Comment To A Cell,
- 3.11. Conditionally Format Data ,Use An Excel Style, Theme, Template ,
- 3.12. Add A Chart To A Worksheet, Insert Graphics Into A Worksheet,
- 3.13. Protect Worksheet Data, Combine Multiple Cells Into One,
- 3.14. Import Data Into An Excel Database,
- 3.15. Sort Excel Database Data, Filter Data, Compute Table Totals and Subtotals.

4. Microsoft PowerPoint

Lectures: 8

- 4.1. Create New Presentation & Insert Text & Pictures Into Presentation,
- 4.2. Print A Presentation, Open An Existing Presentation,
- 4.3. Find And Replace Text, Animate Text, Templates,

- 4.4. Use PowerPoint Layouts And Themes,
 - 4.5. Change A Presentation's Background,
 - 4.6. Insert A Chart Into A Presentation, Insert Graphics Into A Presentation,
 - 4.7. Add A Presentation Header Or Footer,
 - 4.8. Add Sound And Video To A Presentation,
 - 4.9. Add Special Effects To A Presentation & Add A Slide Transition
5. **Microsoft Outlook Express** **Lectures: 6**
- 5.1. Set Up An Email Account,
 - 5.2. Create An Email Message,
 - 5.3. Check For New Mail & Reply To And Forward Email,
 - 5.4. Organize Email, Against Junk And Malicious Emails,
 - 5.5. Create An Email Signature, Create A To-Do List, Add A Contact,
 - 5.6. Print A Contacts List, Create An Email Distribution List ,
 - 5.7. Locate A Contact On A Map, Search For Contacts And Other Outlook Data,
 - 5.8. Navigate Times And Dates,
 - 5.9. Set Up An Appointment ,Use Rss Feeds,
 - 5.10. Create And Share Electronic Business Cards.
6. **Document Distribution with .pdf Files** **Lectures:6**
- 6.1. Introduction, Open An Existing Document,
 - 6.2. Adjusting View Of Document,
 - 6.3. Commenting Tools, Document Security & Digital Signature, File Attachments,
(Lectures allocation includes practical on the respective topics.)

Books

- 1. SAMS Teach Yourself Microsoft Office 2007- Greg Perry ISBN 0-672-32901-8
- 2. Fundamentals of MS Office 2007 – Gretchen Douglas, Mark Connell
- 3. How To Do Everything With Adobe Acrobat 7.0 - Doug Sahlin
- 4. Adobe Acrobat 7.0 Quick Steps - Marty Matthews, John Cronan

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North Maharashtra University, Jalgaon
Faculty of Commerce and Management

Syllabus for **F.Y.B.B.M (e-Com.) (W.E.F.: June – 2008)**

Subject: E1.5: Basics of Database, Internet & Web Page Designing Using HTML

Semester – I

Total Lectures: 48

[Total Marks: 80 External (Theory 50 + Practical 30)+

20 Internal (Theory 10 + Practical 10) =100 Marks

(Theory: 60 + Practical 40) =100Marks]

- 1. Database Basics** **Lectures :5**
 - 1.1. Database Systems
 - 1.2. Concepts And Architecture
 - 1.3. Difference Between Information And Data Files & Databases
 - 1.4. Data Modeling Using Entity Relationship Diagrams
 - 1.5. Tables and Relationships.

- 2. Introduction To Internet** **Lectures :8**
 - 2.1. Internet
 - 2.2. World Wide Web
 - 2.3. Domain Name
 - 2.4. Uniform Resource Locator (URL)
 - 2.5. IP Address
 - 2.6. Net Surfing & Web Browsers
 - 2.7. Email, Email Address, Composing An Email, Sending Files As Attachments
 - 2.8. Working Of SSL Encryption & Authentication, SSL Certificates
 - 2.9. Search Engines

- 3. Web Designing Concepts** **Lectures :5**
 - 3.1. Web Site Organization
 - 3.2. Site Types And Architecture
 - 3.3. Basics Of Web Page Design
 - 3.4. Navigation Theory And Practice
 - 3.5. Site Maps

- 4. HTML Fundamentals** **Lectures :5**
 - 4.1. Hypertext Basics
 - 4.2. Basic Components Of HTML
 - 4.3. Nested Tags & Key , HTML Tags,
 - 4.4. HTML, Head, And Title Tags, Meta And Body Tags
 - 4.5. Creating HTML Code In Notepad
 - 4.6. Viewing In a Browser.

- 5. Formatting Text** **Lectures :5**
 - 5.1. Importance Of Formatting , Paragraphs And Alignment, Bolded Text, Italicized Text,

- 5.2. HTML Headings
- 5.3. Ordered List Tags And Attributes, Unordered List Tags And Attributes
- 5.4. Nested Lists, Font Tags, Font Attributes.

6. Images And Color Lectures :3

- 6.1. Web Image Formats
- 6.2. Image Tags And Attributes
- 6.3. Background Images and Color, R.G.B. Color, Html Color, Hexadecimal Color, Color Attribute.

7. Links Lectures :4

- 7.1. How Links Work
- 7.2. Anchor Tag And H.R.E.F. Attributes
- 7.3. Absolute Vs. Relative Links
- 7.4. Border Attribute, Image Maps, E-Mail Links, Named Anchors

8. Tables Lectures :3

- 8.1. Table Tags & Table Attributes
- 8.2. Row Attributes, Cell Attributes, Merging Rows & Columns.

9. Frames Lectures :5

- 9.1. Frames
- 9.2. Pros And Cons Of Using Frames
- 9.3. Creating Framesets, Frameset Attributes & Frameset Examples
- 9.4. Frame Tag And Attributes ,Target Attributes
- 9.5. No frames Tag

10. Forms Lectures :5

- 10.1. Anatomy Of A Form
- 10.2. Form Tag And Attributes
- 10.3. Text Boxes, Check Boxes
- 10.4. Radio Buttons, Menus, Text Areas, Submit And Reset Buttons

(Lectures allocation includes practical on the respective topics.)

References:

1. Database System Concepts Silberschatz Korth and Sudarshan, , (4th Edition),McGraw Hill, ISBN-13: 978-0071244763
2. “The complete Reference – Web Design”, Thomas A Powell, TMH,2nd Edition ISBN 0-07-222442-8
3. ,“Html 4.0: No Experience Required.”E. Stephen MacK , Janan Platt
4. ,“HTML: The Complete Reference”, Thomas A. Powell 3rd Edition ISBN 0-07-222442-8
5. “Teach yourself how to become Web master in 14 days”, Samsnet Techmedia

Web References:

<http://www.w3c.org>

<http://www.webdeveloper.com>

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Syllabus for **F.Y.B.B.M (e-Com.) (W.E.F.: June – 2008)**

Semester – I

Subject: E1.6: Business Mathematics

Total Lectures: 48

[Total Marks: 80 External +20 Internal =100 Marks]

- 1. Mathematical Logic** **Lectures:4**
 - 1.1. Meaning Of Statement
 - 1.2. Primitive And Compound Statements
 - 1.3. Truth Values Of A Statement
 - 1.4. Law Of Excluded Middle
 - 1.5. Logical Operations : Negation, Conjunction & Disjunction Implication, Double Implication, Equivalence
 - 1.6. Equivalence Of Logical Statements
 - 1.7. Truth Tables & Construction Of Truth Tables
 - 1.8. Tautology And Contradiction,
 - 1.9. Argument : Valid And Invalid Arguments

Simple numerical problems from real life situations are expected.
- 2. Permutation And Combination** **Lectures:4**
 - 2.1. Meaning Of Factorial Of A Number
 - 2.2. Meaning Of Permutation And Combination
 - 2.3. Statement Of Fundamental Principle Of Counting,
 - 2.4. Determination Of Number Of Permutations Of N Objects Taken R Objects At A time (When All N Objects Are Different),
 - 2.5. Determination Of Number Of Combinations Of N Objects Taken R At A Time (When All N Objects Are Different).

Simple numerical problems from real life situations are expected.
- 3. Coordinate System** **Lectures:4**
 - 3.1. Introduction To Coordinate System
 - 3.2. Coordinates Of A Point
 - 3.3. Quadrants, Plotting The Points, Drawing A Straight Line Passing Through Two Given Points
 - 3.4. Solving a System of Linear Inequalities in Two Variables Graphically.
- 4. Sets** **Lectures:5**
 - 4.1. Meaning Of A Set
 - 4.2. Methods Of Describing A Set
 - 1.1.1. Tabular Form
 - 1.1.2. Set Builder Form.
 - 4.3. Types Of A Set :
 - 4.3.1. Finite Set, Infinite Set, Empty Set, Subset, Universal Set,
 - 4.3.2. Equal Sets, Overlapping Sets, Disjoint Sets, Complementary Set.
 - 4.4. Operations On Sets
 - 4.4.1. Union Of Sets
 - 4.4.2. Intersection Of Sets
 - 4.4.3. Difference Of Sets
 - 4.5. Demorgan's Laws(Without Proof)
 - 4.6. Venn Diagrams.
 - 4.7. Cartesian Product Of Two Sets.

4.8. Statement Of Following Laws (Without Proof) Relating To Union And Intersection Of Sets :-

4.8.1. Idempotent Laws (Ii) Identity Laws (Iii) Commutative Laws

4.8.2. (Iv) Associative Laws (V) Distributive Laws

4.9. Statement Of Following Basic Results Relating To Number Of Elements Of A Finite Set

$$n(A \cup B) = n(A) + n(B) - n(A \cap B)$$

$$n(A \cap B') = n(A) - n(A \cap B)$$

$$n(A' \cap B) = n(B) - n(A \cap B)$$

$$n(A') = n(U) - n(A)$$

$$n(A' \cap B') = n(U) - n(A \cup B)$$

$$n(A' \cup B') = n(U) - n(A \cap B)$$

$$n(A - B) = n(A) - n(A \cap B)$$

$$n(A \cup B \cup C) = n(A) + n(B) + n(C) - n(A \cap B) - n(B \cap C) - n(A \cap C) + n(A \cap B \cap C)$$

5. Function

Lectures:6

5.1. Meaning Of A Function

5.2. Methods Of Describing A Function

5.3. Meaning Of Domain, Co-Domain, Image, Range Of A Function.

5.4. Types Of A Function

5.4.1. One-One Function, One Two Function, Many-One Function,

5.4.2. Constant Function, Identity Function, Polynomial Function,

5.4.3. Linear Function, Rational Function, Exponential Function,

5.4.4. Logarithmic Function, Explicit And Implicit Functions,

5.4.5. Even Function, Odd Function, Composite Function.

Simple numerical problems from commercial real life situations are expected

6. Limit Of A Function

Lectures: 4

6.1. Meaning Of Limit Of A Function

6.2. Left Hand And Right Hand Limits.

6.3. Basic Theorems Of Limits (without proof)

$$\lim (f(x) + g(x)) = \lim f(x) + \lim g(x)$$

$$\lim (f(x) - g(x)) = \lim f(x) - \lim g(x)$$

$$\lim (f(x)g(x)) = \lim f(x) \lim g(x)$$

$$\lim (f(x) / g(x)) = \lim f(x) / \lim g(x) \text{ if } \lim g(x) \neq 0$$

$$\lim (k) = k, \text{ where } k \text{ is a constant}$$

$$\lim (kf(x)) = k \lim f(x), \text{ where } k \text{ is a constant}$$

$$\lim (f(g(x))) = f(\lim g(x))$$

6.4. Standard results on limit (without proof)

6.5. Problems on evaluation of limits for given functions

7. Continuity Of A Function

Lectures:4

7.1. Meaning Of Continuity Of A Function At A Point

7.2. Continuity Of A Function In An Interval

7.3. Statement Of Following Theorems On Continuity

7.3.1. If $f(x)$ and $g(x)$ are continuous at point c , then $f(x) + g(x)$, $f(x) - g(x)$ and $f(x)g(x)$ are also continuous at point c

7.3.2. If $f(x)$ and $g(x)$ are continuous at point c and if $g(c) \neq 0$, then $f(x) / g(x)$ is also continuous at point c .

7.4. Testing Continuity Of A Function At A Point, Testing Continuity Of A Function In A Given Interval

7.5. Statement About Continuity For The Following Functions

7.5.1. Constant Function

- 7.5.2. Polynomial Function
- 7.5.3. Exponential Function
- 7.5.4. Logarithmic Function
- 7.5.5. Rational Function

8. Differentiation

Lectures:9

- 8.1. Definition of derivative of a function in one variable
- 8.2. Statement of basic theorems of differentiation on summation, difference, product and quotient
- 8.3. Statement of standard results of differentiation of algebraic, exponential and logarithmic functions (Trigonometric functions are not expected)
- 8.4. Differentiation of composite function, logarithmic differentiation, differentiation of implicit and parametric functions,
- 8.5. Differentiation of one function with respect to another function
- 8.6. Second order differentiation
- 8.7. Application of differentiation in deciding increasing and decreasing functions at a point
- 8.8. Differentiation as a rate measurer
 - 8.8.1. Measurement of marginal cost, marginal revenue using differentiation
 - 8.8.2. Price elasticity of demand using differentiation
 - 8.8.3. Price elasticity of supply using differentiation
- 8.9. Determination of maxima and minima of a function of one variable using second order derivative test.
- 8.10. Problems on the evaluation of derivatives of given functions and applications of differentiation (emphasis should be given on commercial applications)

9. Matrices and Determinants

Lectures:8

- 9.1. Meaning Of A Matrix, Order Of Matrix,
- 9.2. Types Of Matrix
 - 9.2.1. Zero Matrix, Column Matrix, Square Matrix, Diagonal Matrix,
 - 9.2.2. Scalar Matrix, Unit Matrix
 - 9.2.3. Symmetric Matrix, Skew-Symmetric Matrix,
 - 9.2.4. Transpose Of A Matrix: Singular Matrix & Non-Singular Matrix.
- 9.3. Algebra Of Matrices:-
 - 9.3.1. Equality Of Matrices
 - 9.3.2. Multiplication Of Matrix By A Scalar
 - 9.3.3. Addition Of Matrices, Subtraction Of Matrices
 - 9.3.4. Multiplication Of Matrices.
- 9.4. **Determinants**
 - 9.4.1. Meaning Of Determinant
 - 9.4.2. Evaluation Of Second And Third Order Determinants
 - 9.4.3. Minor, Cofactor Of An Element
 - 9.4.4. Adjoint of Matrix.
 - 9.4.5. Meaning Of Inverse Of A Matrix
 - 9.4.6. Matrix Inversion By Adjoint Method
 - 9.4.7. Cramer's rule and matrix inversion method to solve system of linear equations in two and three variables.

Books

1. Business Mathematics Sancheti & Kapoor Sultan Chand & Co. New Delhi
2. Business Mathematics & Analytics Anand Sharma Himalaya Publishing
3. Business Mathematics Dr.Ramnath Dixit and Dr.Jinendra Jain Himalaya Publishing
4. Business Amthamatics & Statustics: Punaini, Pearson Education

North Maharashtra University, Jalgaon
Faculty of Commerce and Management

Syllabus for **F.Y.B.B.M (e-Com.) (W.E.F.: June – 2008)**

Semester – II
Total Lectures: 48

Subject: E2.1: Financial And Cost Accounting : II
[Total Marks: 80 External (Theory 50 + Practical 30) +
20 Internal (Theory 10 + Practical 10) =100 Marks
(Theory: 60 + Practical 40) =100 Marks

Objectives :

1. To lay a theoretical foundation for the recording of financial transactions concerning specialised areas related to non-corporate entities, and for preparing the related accounts or statements.
2. To develop an understanding of the rules of measurement and reporting relating to various components of specialized financial transactions.
3. To lay a foundation for the understanding the Accounting Standards issued by the Institute of Chartered Accountants of India.
4. To create understanding of accounting procedure for different elements of cost.
5. To lay a theoretical and practical foundation for the recording of financial transactions using Tally Accounting Package, and for preparing the financial statements using computerized Tally Accounting Package.

Section - I : Financial Accounting	40 Marks (Theory Exam)
Section - II: Cost Accounting	20 Marks (Theory Exam)
Section – III: Tally Accounting Package	40 marks (Practical)

Semester – II
SECTION I

F.Y.B.B.M (e-Com.) (W.E.F.: June – 2008)
FINANCIAL ACCOUNTING [40 Marks]

1. Partnership Accounts

Lectures:20

1.1. Partnership Accounts On Reconstitution Of A Firm -

- 1.1.1. Change In Profit-Sharing Ratio Of Existing Partners – Sacrifice Ratio / Gain Ratio
- 1.1.2. Admission Of A New Partner – Revaluation Of Assets And Liabilities, Treatment Of Goodwill, Account Or Profit & Loss Adjustment Account, Reserve In The Balance Sheet, Computation Of New Profit-Sharing Ratio, Proportionate Capital And Inference Of Goodwill
- 1.1.3. Retirement Of A Partner - Revaluation Of Assets And Liabilities On Retirement Of A Partner, Reserve In The Balance Sheet, Final Payment To Retiring Partner, Paying A Partner's Loan In Instalments.
- 1.1.4. Death Of A Partner – Settlement of Final Balance of the Deceased Partner, Deceased Partner's Share In Goodwill.

(Reference To AS 10- Accounting For Fixed Assets, AS-26 - On Intangible Assets, And Sections 31 To 55 Of The Indian Partnership Act, 1932.)

Semester – II
SECTION- II

F.Y.B.B.M (e-Com.) (W.E.F.: June – 2008)
COST ACCOUNTING [20 marks]

2. Labour

Lectures:12

- 2.1. Importance Of Labour
 - 2.2. Labour Time Recording: Time Keeping & Time Booking
 - 2.3. Labour Remuneration
 - 2.4. Methods of Labour Remuneration
 - 2.4.1. Time Rate
 - 2.4.2. Piece Rate
 - 2.4.3. Differential Piece Rate
 - 2.5. Incentives, Bonus & Premium Wage Plans.
 - 2.6. Simple Problems on Preparation Of Cost Sheet, Tenders & Quotations
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Semester – II
SECTION -III

F.Y.B.B.M (e-Com.) (W.E.F.: June – 2008)
TALLY ACCOUNTING PACKAGE - 40 Marks

3. Voucher Entry

Lectures:8

- 3.1. Types of vouchers in Tally
 - 3.1.1. Contra and Journal
 - 3.1.2. Receipts & Payments
- 3.2. Entering Account Voucher
 - 3.2.1. Sales, Purchases
 - 3.2.2. Debit Note, Credit Note,
 - 3.2.3. Incomes, Expenses
- 3.3. Voucher Modification ,Voucher alteration, deletion and cancellation
- 3.4. Saving the Voucher
- 3.5. Single Mode voucher entries
- 3.6. Account Voucher Printing
 - 3.6.1. Online Voucher Printing
 - 3.6.2. Multi-voucher printing
- 3.7. Displaying voucher list, Day book & Ledger
- 3.8. Extracting Daybook Summaries**

4. Trial Balance And Final Accounts

Lectures:18

- 4.1. Extracting detailed Trial Balance
- 4.2. Exploded Trial Balance and Ledger-wise Trial Balance
- 4.3. Extracting Balance Sheet
 - 4.3.1. Primary Balance Sheet
 - 4.3.2. Detailed Balance Sheet
- 4.4. Closing Stock Value Entry through Balance Sheet
- 4.5. Extracting Profit and Loss Account
 - 4.5.1. Detailed form and Vertical Form
 - 4.5.2. Extracting Income and Expenditure Statements for Non-Trading Units

Books on Financial Accounting -

1. Advanced Accountancy – Vol. I , R. L. Gupta & M. Radhaswamy, Sultan Chand & Sons
2. Fundamentals of Accounting, Dr. T. P. Ghosh, Sultan Chand & Sons
3. Accountancy for C.A. Foundation Course , P.C. Tulsian, Tata McGraw Hill
4. Advanced Accountancy Volume –I P. C. Tulsian , Pearson Education , New Delhi
5. Advanced Accounts, M.C. Shukla, T. S. Grewal & S.C. Gupta, S. Chand & Co Ltd.
6. Fundamentals of Accounting, Dr SN Maheshwari & Dr SK Maheshwari, Vikas N' Delhi

7. Advanced Accountancy, S.P. Jain & K.L. Narang, Kalyani Publishers

Books on Cost Accounting -

1. Fundamentals of Cost Accounting, Dr. S.N. Maheshwari, Sultan Chand & Sons.
2. Cost Accounting for C.A. , Dr. N. K. Agrawal, Suchitra Prakashan Pvt. Ltd
3. Cost Accounting (Problem and Theory), S. N. Maheshwari, Mahavir Publication
4. Cost Accounting (Methods & Problems), B. K. Bhar, Academic Publisher, Calcutta
5. Principles and Practices of Cost Accounting, Ashish K. Bhattacharya, A.H. Wheeler

Books on Tally Accounting package –

1. Implementing Tally 9: Comprehensive Guide For Tally 9 & 8.1 - A. K. Nadhani, K. K. Nadhani, BPB Publishers, New Delhi.
2. Simple Tally 9 - A. K. Nadhani, K. K. Nadhani, BPB Publishers, New Delhi.
3. Practical Approach towards Tally 8.1 and 9.0, S. H. Sharma, Siddhant Prakashan, Aurangabad
4. Tally 9.2 Comdex Publisher

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North Maharashtra University, Jalgaon
Faculty of Commerce and Management

Syllabus for **F.Y.B.B.M.(e -Com) (W.E.F.: June – 2008)**

Semester – II

Subject: E 2.2: Managerial Economics

Total Lectures : 48

[Total Marks: 80 External +20 Internal =100 Marks]

- 1. Introduction To Managerial Economics** **lectures:3**
 - 1.1. Meaning , Nature & Scope of Managerial Economics
 - 1.2. Subject Matter Of Managerial Economics
- 2. Demand Analysis** **lectures:12**
 - 2.1. Ordinal Analysis Of Demand & Equilibrium Of Consumer
 - 2.2. Concepts Of Price Effect ,Substitution & Income Effects
 - 2.3. Derivation Of Demand Curve & Determinants OF Demand
 - 2.4. Price Elasticity Of Demand & Its Relation To Revenue
 - 2.5. Demand Forecasting: Its Usefulness And Various Methods
 - 2.5.1. Expert Opinion,
 - 2.5.2. Survey Techniques,
 - 2.5.3. Trends In Economic Data & Liner Trend Analysis
 - 2.6. Reliability of Demand Forecasting.
 - 2.7. Various Methods Of Demand Estimation
- 3. Supply Analysis** **lectures:8**
 - 3.1. Laws Of Variable Proportion And Laws Of Return To Scale
 - 3.2. Short Run And Long Run Cost Concepts And Costs Curves
 - 3.3. Law Of Supply And Its Determinants
 - 3.4. Elasticity Of Supply & ‘L’ Shaped Cost Curves
- 4. Profit Maximization In Various Market Structures** **lectures:17**
 - 4.1. Managerial Decisions Under Perfect Competition
 - 4.2. Characteristics Of Perfect Competition Market
 - 4.3. The Short Run & Long Run Equilibrium Of Firm And Industry In Competitive Market
 - 4.4. Managerial Decisions For Firms With Market Power
 - 4.5. Meaning ,Measurement And Determinants Of Market Power
 - 4.6. Output And Pricing Decisions Under Monopoly
 - 4.7. Features Of Monopolistic Competition
 - 4.8. The Short Run & Long Run Equilibrium Of The Firm Under Monopolistic Competition
 - 4.9. Features Of Oligopoly Market
 - 4.10. Strategic Decision Making In Oligopoly Market: Example Of Prisoner’s Dilemma
- 5. Factor Market** **lectures:8**
 - 5.1. Concepts Of Rent, Quasi Rent & Transfer Payment
 - 5.2. Marginal Productivity Theory Of Labour
 - 5.3. Bilateral Monopoly In Factor Market
 - 5.4. Differential Wage Rates & Differential In Interest Rates
 - 5.5. Various Concepts Of Profits & Determinants Of Profits

Books

1. Economics : Samuelson & Nourdhous
2. Introduction To Positive Economics : Richard Lipsey & Crystal
3. Micro Economic Theory: Mankiw, Thomson
4. Managerial Economics : Dr. D.M. Mithani: Himalaya
5. Managerial Economics: Concepts & Application: Thomas & Maurice: McGraw-Hill
6. Managerial Economics : Mark Hirschey: Thomson Press
7. Modern Economic Theory: K.K. Dewatt, S. Chand

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North Maharashtra University, Jalgaon
Faculty of Commerce and Management

Syllabus for **F.Y.B.B.M (e-Com.)** (W.E.F.: June – 2008)

Semester – II Subject: E2.3 E-Commerce and Information Technology Act 2000

Total Lectures: 48

Total Marks: 80 External (Theory 50 + Practical 30) +

20 Internal (Theory 10 + Practical 10) = 100 Marks

(Theory 60 + Practical 40) = 100 Marks]

- | | |
|---|--------------------|
| 1. Basic Terms and Introduction: | Lectures 10 |
| 1.1. Network, Internet, Transaction, | |
| 1.2. Types of Network, Working of Internet, | |
| 1.3. Web Server, Browser, Server, Client, Web Page, World Wide Web, | |
| 1.4. Portal, Search engine, | |
| 1.5. Cybernetics, Protocol and Protocol Suite, TCP/IP, URL, ISP, | |
| 1.6. Gateway, Modem, Firewall & M-commerce, VAN. | |
| 2. E-commerce | Lectures 10 |
| 2.1. Concept, | |
| 2.2. Electronic Data Interchange (EDI), & Supply Chain Management (SCM), | |
| 2.3. Electronic Devices used for E-Commerce, | |
| 2.4. I-Commerce, I-Commerce Value Chain, | |
| 2.5. Non-Internet based E-Commerce & their Advantages and Disadvantages | |
| 3. Types of E-Commerce | Lectures 10 |
| 3.1. B2B, B2C, & C2B, C2C, | |
| 3.2. G2B (Government to Business), G2C (Government to Citizens), | |
| 3.3. AI2S (Academic Institutions to Students), | |
| 3.4. Case studies – Various e-Commerce websites, Electronic Payment System, Internet Banking, Online Share Dealing. | |
| 4. Network and Internet Security: | Lectures 6 |
| 4.1. Need, Data encryption, Cryptography, Digital Signatures, | |
| 4.2. Password, Encrypted smart card, Bio-matrices, | |
| 4.3. Firewall. | |
| 5. Information Technology Act 2000: | Lectures 12 |
| 5.1. Background of Information Technology Act 2000, | |
| 5.2. Preliminary, Definitions, | |
| 5.3. Digital Signatures, Electronic Governance, Attribution, | |
| 5.4. Acknowledgment and Dispatch of electronic records, | |
| 5.5. Secure records and secure digital signatures, | |
| 5.6. Functions of controller, | |
| 5.7. UNCITRAL (United Nations Commission on International Trade Law), | |
| 5.8. Salient features, provisions. | |

The Lecturers allotted include Practicals to completed on the respective topics)

References:

1. Frontiers of Electronic Commerce By Kalakota, Ravi and Whinston, Andrew B. Addison – Wesley, Delhi
2. Designing System for Internet Commerce By Treese, G. Winfield and Stewart, Lawrence C. (2000) Addison – Wesley, Delhi
3. E-Commerce, Strategy, Technologies and Applications By David Whiteley Tata McGraw
4. E-commerce and its applications By Mahapatra P.B.S. Chand Publication.
5. Information Technology Act 2000 <http://www.eprocurement.gov.in> , <http://www.mit.gov.in>

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North Maharashtra University, Jalgaon
Faculty of Commerce and Management

Syllabus for **F.Y.B.B.M (e-Com.) (W.E.F.: June – 2008)**

Semester – II
Total Lectures: 48

Subject: E2.4: Introduction to MS Access
Total Marks: 80 External (Theory 50 +Practical 30) +
20 Internal (Theory 10 +Practical 10)=100 Marks
Theory 60 + Practical 40)=100 Marks

Objectives: The course introduces student to various concepts in RDBMS through MS-ACCESS, and would prove useful in designing simple databases for various business needs.

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|--|--------------------|
| 1. Database, | Lectures 10 |
| 1.1. Relational database, | |
| 1.2. Data normalization: | |
| 1.3. Determining tables, | |
| 1.4. Determining fields, | |
| 1.5. Determining relationships. | |
| 1.6. Integrity rules: | |
| 1.7. Primary/Foreign key, | |
| 1.8. candidate key, | |
| 1.9. Mapping cardinalities: one-to-many, many-to one, one-to-one. | |
| 2. Working with database : | Lectures 10 |
| 2.1. Creating using wizards, Opening, closing. | |
| 2.2. Creating tables using wizards, | |
| 2.3. Design view, set relationship between tables, insert data into tables, | |
| 2.4. Storing data. Create Query using wizards & design view. | |
| 3. Introduction to forms, | Lectures 10 |
| 3.1. Types of basic forms, | |
| 3.2. Creating and customizing a form using form wizard, | |
| 3.3. Entering, editing, sorting and searching data. | |
| 3.4. Making simple design changes, filter records in form. | |
| 4. Introduction to reports, | Lectures 10 |
| 4.1. Types of basic reports, create a grouped or summary report, create and use sub reports, | |
| 4.2. Creating reports using report wizard steps of creating reports: layout, data model, query, report generation. Grouping level in reports, | |
| 4.3. Printing reports. | |
| 4.4. Use control layout on reports. | |
| 5. Create data access page in design view, by wizard, edit web page that already exist. Lectures 8 | |
| (The Lecturers allotted include Practicals to completed on the respective topics) | |

References

1. Mastering Access 2002 – Alan Simpson, Celeste Robinson. SYBEX published ISBN 0782140084.
2. MS Access 2002 from A to Z – Julia Kelly & Stephan L. Nelson.
3. Firewall media Laxmi publication Pvt Ltd. ISBN : 8170083214
4. Teach Yourself Microsoft Access 2002 in 21 Days - Paul Cassel, Craig Eddy and Jon Price . Sams publishing SBN 0672321033.

5. Cybrary:

http://office.microsoft.com/en_us/access

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North Maharashtra University, Jalgaon
Faculty of Commerce and Management

Syllabus for **F.Y.B.B.M (e-Com.) (W.E.F.: June – 2008)**

Semester – II
Total Lectures: 48

Subject: E2.5: Introduction to Visual Basic 6.0
[Total Marks: 80 External (Theory 50 +Practical 30) +
20 Internal (Theory 10 +Practical 10) =100 Marks
(Theory: 60 + Practical 40) =100 Marks

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|---|-------------------|
| 1. Visual Basic | Lectures 2 |
| 1.1. Need for Visual Basic,
1.2. Starting Visual Basic,
1.3. Overview of Visual Basic application development | |
| 2. The Visual Basic Environment | Lectures 3 |
| 2.1. Initial VB Screen, Title bar, Overview of menu bar,
2.2. SDI(Single Document Interface Environment),
2.3. Toolbars, Toolbox, Properties Window,
2.4. Use of different menus of VB's initial screen | |
| 3. Working with forms | Lectures 5 |
| 3.1. The Anatomy of a form, The Border, The Title Bar, The Caption,
3.2. The Control Menu,
3.3. The minimize, maximize and restore button, The close button,
3.4. Working with Form Properties,
3.5. Introducing Form Events, & Form Methods,
3.6. Multiple Document Interface (MDI) Forms | |
| 4. Selecting and Using Controls : | Lectures 8 |
| 4.1. Introducing Controls, Using Different Controls and their properties, & events
4.2. Command Buttons, Text Boxes, Labels, option Buttons,
4.3. Check Boxes, Frame Control, List Boxes, Combo Boxes, Image Objects, Picture Boxes
4.4. Timers, Scroll Bars, Drive Lists, Directory List Boxes, File List Boxes,
4.5. Tree View Control, List View Control, Image List Control, Status Bar Control,
4.6. Adding Other Controls to the toolbox | |
| 5. Understanding Data Types, Logic and Program Flow | Lectures 4 |
| 5.1. Introducing variables, Variable Types, Working with a String , Scope of variables,
5.2. Using arrays, dynamic arrays and control arrays,
5.3. Using Constants, Operators in Visual Basic, Evaluating Conditions in Code,
If.....Then.....Else Statements, The nested if statements, Select CaseEnd Select,
Performing Repetitive Tasks , For...Next Loops, Do.....Loops, While....Wend Loops | |
| 6. Working with Modules and Classes : | Lectures 5 |
| 6.1. Introducing Code Modules and Classes, Creating Code Library, Creating a Code Module,
6.2. Working with Sub Procedures, Working with Function Procedures, Passing Parameters to
Function and Sub Procedures, Using Private and Public Sub Procedures, Working with
Class Modules | |
| 7. Creating and Using Menus and Toolbars | Lectures 6 |
| 7.1. When to Use Menus and Toolbars, Understanding the Menu Object, Menu Properties,
7.2. The Click() Event, Menu Methods, Creating a Menu with a Menu Editor, Considering a
Menu's Design ,
7.3. Creating Toolbars, Adding Buttons to Toolbars, Adding Images to Toolbars | |
| 8. Accessing Databases | Lectures 7 |
| 8.1. Accessing Database, Data Control DAO, ADO, RDO, Visual Basic and Access
Connectivit | |

9. Designing Reports

Lectures 8

9.1.1.1.Introduction, Objective, Introduction to Report Designer, Creating Report, Data Report, Data Environment,

(The Lecturers allotted include Practicals to completed on the respective topics)

Reference

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

Practical Assignments:-

1. Write a VB program using various controls from toolbox.
2. Write a VB program using various control loops.
3. Write a VB program to create a simple calculator.
4. Write a VB program using user define function/procedure.
5. Write a VB program using a control array.
6. Write a VB program using menus, pop-up menu.
7. Write a VB program using various events provided by VB.
8. Write a VB program to access data using Data Control
9. Develop mini project on: Inventory Management system or Payroll system or Billing system(e.g. Telephone, Shopping Mall)

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North Maharashtra University, Jalgaon
Faculty of Commerce and Management

Syllabus for **F.Y.B.B.M. (e-Com.)** (W.E.F.: June – 2008)

Semester – II
Total Lectures: 48

Subject: E2.6: Business Statistics
[Total Marks: 80 External +20 Internal =100 Marks]

- 1. Introduction To Statistics** **Lectures: 4**
 - 1.1. Statistics
 - 1.1.1. Meaning Of Statistics
 - 1.1.2. Applications Of Statistics In Business, Commerce & Management
 - 1.1.3. Limitations of Statistics.
 - 1.2. Basic Concepts
 - 1.2.1. Data : Raw Data, Primary Data, Secondary Data
 - 1.2.2. Population / Census
 - 1.2.3. Sample,
 - 1.2.4. Error: Sampling Error& Non-Sampling Error
 - 1.2.5. Variable & Attribute
- 2. Correlation** **Lectures: 5**
 - 2.1. Meaning & Types Of Correlation
 - 2.1.1. Positive Correlation, Negative Correlation, Perfect Correlation
 - 2.1.2. Linear And Non-Linear Correlation
 - 2.2. Scatter Diagram
 - 2.3. Karl Pearson's Coefficient Of Correlation
 - 2.4. Properties Of Correlation Coefficient
 - 2.5. Probable Error Of Correlation Coefficient
 - 2.6. Meaning Of Multiple And Partial Correlations
 - 2.7. Multiple and Partial Correlation Coefficients.
Simple Numerical Problems.
- 3. Regression** **Lectures: 8**
 - 3.1. Meaning & Types Of Regression
 - 3.1.1. Simple And Multiple Regression
 - 3.1.2. Linear And Non-Linear Regression
 - 3.2. Statement Of Regression Lines
 - 3.3. Definition Of Regression Coefficients
 - 3.4. Properties Of Regression Coefficients
 - 3.5. Explained and Unexplained Variation: Coefficient of Determination.
Simple Numerical Problems.
- 4. Probability** **Lectures: 10**
 - 4.1. Concept Of Random And Non-Random Experiments
 - 4.2. Meaning Of Sample Space
 - 4.3. Trial & Events
 - 4.3.1. Equally Likely Outcomes
 - 4.3.2. Elementary Event, Compound Event, Impossible Event, Sure Event
 - 4.3.3. Complementary Event, Favourable Outcomes Of An Event
 - 4.3.4. Mutually Exclusive Events, Exhaustive Events
 - 4.3.5. Independent Events, Dependent Events
 - 4.4. Mathematical Definition Of Probability & Axioms Of Probability
 - 4.5. Statement Of Addition Theorem Of Probability For Two And Three Events
 - 4.6. Conditional Probability
 - 4.7. Statement of Multiplication Theorem of Probability for Two and Three Events.

4.8. Problems to Compute Probabilities.

5. Random Variable And Expected Value

Lectures: 6

5.1. Meaning & Types Of Random Variable: Discrete And Continuous Random Variables

5.2. Probability Mass Function And Probability Distribution Of A Discrete Random Variable

5.3. Expected Value Of A Discrete Random Variable, Statement Of Following Results On expected value :-

(i) $E(k) = k$, where k is a constant,

(ii) $E(kX) = kE(X)$

(iii) $E(aX + b) = aE(X) + b$

(iv) $E(aX - b) = aE(X) - b$, where a and b are constants.

variance and standard deviation of discrete random variable, statement of following results on variance :-

(i) $\text{var}(k) = 0$, where k is a constant

(ii) $\text{var}(kX) = k^2 \text{var}(X)$

(iii) $\text{var}(aX + b) = a^2 \text{var}(X)$

(iv) $\text{var}(aX - b) = a^2 \text{var}(X)$, where a and b are constants.

Simple numerical problems.

6. Index Numbers

Lectures: 6

6.1. Meaning & Uses Of Index Number

6.2. Types Of Index Number

6.2.1. Price

6.2.2. Quantity

6.2.3. Value Index Numbers

6.3. Methods Of Constructing Index Number

6.3.1. Simple(Unweighted) Aggregate Method

6.3.2. Weighted Aggregate Method

6.3.3. Arithmetic Mean Of Price Relatives

6.4. Laspeyre's Method, Paasche's Method & Fisher's Method.

Simple numerical problems.

7. Time Series

Lectures: 9

7.1. Meaning Of Time Series

7.2. Components Of A Time Series

7.3. Analysis Of Time Series

7.3.1. Additive And Multiplicative Models Of Time Series

7.3.2. Measurement Of Trend By Moving Average Method

7.3.3. Measurement Of Seasonal Variation By Ratio To Moving Average Method

7.4. Deseasonalisation of Data.

Simple Numerical Problems.

Books

1. Business Statistics C M Chikkodi & B G Satyaprasad Himalaya Publishing

2. Business Statistics S P Gupta Sultan Chand & Co. New Delhi

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