DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

CIRCULAR NO.SU/Commerce & Management/ II Sem./32/2018

It is hereby inform to all concerned that, on the recommendation of the Dean, Faculty of Commerce & Management, the Hon'ble Vice-Chancellor in his emergency powers under Section-12(7) of the Maharashtra Public Universities Act, 2016 has accepted the syllabus of **B.Com., BBA & BCA II Sem.** on behalf of the Academic Council to be applied from the Academic Year 2018-2019 and onwards.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.No. SU/ COMMERCE/2018-19
20603 - 21053
Date:- 26-11-2018.

Deputy Registrar,
Syllabus Section.

Copy forwarded with compliments to :-
1] The Principals, affiliated concerned Colleges,
   Dr. Babasaheb Ambedkar Marathwada University.
2] The Director, University Network & Information Centre, UNIC, with **a** **request to upload this Circular on University Website.**

Copy to :-
1] The Director, Board of Examination & Evaluation,
2] **The Section Officer, [B.Com. Unit] Examination Branch,**
3] The Section officer, [Eligibility Unit],
4] **The Programmer [Computer Unit-1] Examinations,**
5] **The Programmer [Computer Unit-2] Examinations,**
6] The In-charge, [E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambekar Marathwada University.
7] The Public Relation Officer,
8] The Record Keeper.

Principal
Mother Kanchan Institute Of
Business Management and
Computer Application, Osmanabad

B.C.A. II sem

- 38 -

D.R. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.

Curriculum of

BACHELOR OF COMPUTER APPLICATION

(BCA)

IST YEAR

SECOND SEMESTER

under Choice Based Credit & Grading System

[Effective from the Academic Year 2018-19 & onwards]

FACULTY OF COMMERCE & MANAGEMENT .

Structure - Bachelor of Computer Application (BCA)

Choice Based Credit System (CBCS) - 2018-19

Semester & Credits	Core Course [24]	Ability Enhancement Compulsory Courses [AEC] [6]	Discipline Specific Elective [DSE] [6]
I Credit 24	1.Financial Accounting – I 2. Industrial Economics 3. Operating System – I 4. Business Statistics	1. Business Communication	Elective Paper [Any I] 1. Office Automation Tools 2. Basic Web Technology - I
II Credit 24	1.Financial Accountancy – II 2.Programming in C 3.Operating System – II (LINUX) 4.Business Mathematics	1.Industrial Organisation	Elective Paper [Any One] 1. UNIX Operating System II 2. Basic Web Technology - II
III Credit 24	1.Principles of Management 2.OPPS using C++ 3.Business Law - I 4.DBMS	1. E-Business Essentials	Elective Paper [Any One] 1.Data Structure & Algorithm 2.RDBMS using ORACLE
IV Credit 24	1.Cost Accountancy 2.Java Programming 3.MIS & DSS 4.Business Law – II	1.Entrepreneurship Development	Elective Paper [Any One] 1.PC Maintenance 2. Advance Networking
V Credit 24	1.Management Accounting 2.SQL 2017 3.VB 4.Organisational Behaviour	1.Software Engineering	Elective Paper [Any One] 1.Banking & Insurance 2.Retail Management
VI Credit 24	1.Elements of Commercial Portals (HTML 5) 2. Android 9 3.Business Law III 4.Project	1.Software Testing	Elective Paper [Any One] 1.Services Marketing 2.Export Management
Total Credits 144	No. of Credits : 96	No. of Credits : 24	No. of Credits : 24

Principal
Mother Kanchan Institute Of
Business Management and
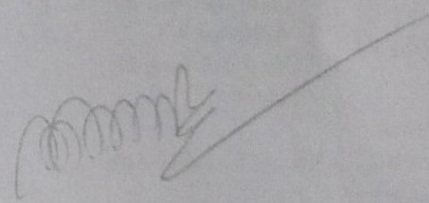Computer Application, Osmanabad

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.

FACULTY OF MANAGEMENT SCIENCE.

Syllabus - Bachelor of Computer Application (BCA)

Choice Based Credit System (CBCS) - 2018-19

Semester & Credits	Core Course [04]	Ability Enhancement Compulsory Courses [AEC] [01]	Discipline Specific Elective [DSE] [01]
II Credit 24	1. Accountancy – II 2. Industrial Organisation 3. Mathematics 4. Programming in C	1. Principles of Management	Elective Paper [Any One] 1. Operating System – II (UNIX) 2. Basic Web Technology - II
Total Credits 24	No. of Credits : 16	No. of Credits :04	No. of Credits : 04

SECOND SEMESTER

Paper Number	Subject/ Title of the Paper	Course	Weekly		Credits		IA	UA	Total Marks	Duration of Theory Exam
			Th	Pr	Th	Pr				
VII	Accountancy – II	Core Course	4	-	4	-	20	80	100	3 Hrs
VIII	Industrial Organisation	Core Course	4	-	4	-	20	80	100	3 Hrs
IX	Mathematics	Core Course	4	-	4	-	20	80	100	3 Hrs
X	Programming in C	Core Course	2	4	2	2	20	80	100	3 Hrs
XI	Principles of Management	Ability Enhancement Compulsory	4	-	4	-	20	80	100	3 Hrs
XII	1.Operating System- II (UNIX) 2.Basic Web Technology – II	Discipline Specific Elective [Any One]	2	4	2	2	20	80	100	3 Hrs
	Total		20	8	20 + 4 =24		120	480	600	--

Principal
Mother Kanchan Institute Of
Business Management and
Computer Application, Osmanabad

PAPER VII –   ACCOUNTANCY – II

1.   Goodwill of Partnership Firm
      Meaning, Need, factors affecting Goodwill, Methods of valuing
      Goodwill, - Average Profit Method, Super Profit Method
2.   Accounts of Non Trading Concern –
      Preparation of Receipts and Payment Accounts, Income and Expenditure Account and
      Balance Sheet
3.   Company Final Accounts
      (Treatment of Provisions, Treatment of Dividends, Interim & Final Dividend on shares,
      Income Tax on Dividends, Payment of Dividends, Unclaimed Dividends, Treatment of
      Preliminary Expenses, Capital Profit, Income Tax Provision, Advance Payment, Payment
      of Tax, TDS, -- Simple exercises expected).
4.   Single Entry System
      Concept- Ascertainment of Profit from records of single entry method

Books:-
1. Shukla & Greval "Advanced Accounts" S. Chand & Co.
2. Batliboy "Advance Accounting", Standard Accounting Publication.
3. Khan & Jain "Financial Management" Tats Mc Graw Hill.
4. S.C Kuchal "Financial Management"

Practical's for Internal Assessment
1.
2
3
4
5 Any Other Suitable Practical.

PAPER VIII –   INDUSTRIAL ORGANISATION

Principal
Mother Kanchan Institute Of
Business Management and
Computer Application, Osmanabad

1. Concept of Industrialization: What is Industrialization, its determinates Problems of Industrialization, Corporate Social Responsibility of Business (CSR)
2. Scale of Operation and Size of Business Units (with special reference to India). Economics of Scales, Meaning of large Medium and small size business- relative advantages and Disadvantages
3. Concept of concentration of power: combinations, Process of Integration vertical Horizontal Lateral and Diagonal and service integration types: Pools, Trusts Carte. Holding Companies, Syndicates Mergers and Amalgamation Multi- directorship Interlocking, Restructuring and Rationalisation.
4. Industrial Policy Resolutions of 1991 & WTO.
5. Corporate structure of business and essentials of Corporate Governance

Books :

1. Industrial Organisation & Engg. Economics by T.R. Banga, S.C. Sharma
2. Management & Organisation by C.B. Gupta
3. Industrial Administration & Management by Batty, J.
4. Control Practices in Indian Industries by Dave, Mahendra & Marthy, Guruprasad.
5. Principles of Industrial Organisation by Kimball, K.S. and Kimball D.S.

Practical's for Internal Assessment

1.

2

3

4

5 Any Other Suitable Practical.

Principal
Mother Kanchan Institute Of
Business Management and
Computer Application, Osmanabad

PAPER IX –   **MATHEMATICS**   Theory   80
                                                                    Sessional 20
                                                                    Credits   4

1. Logarithms, Rules for multiplication division and exponentiation
2. Permutations, Combinations, and Binomial Theorem.
3. Determinate - different methods of calculating determinants.
4. Matrix - representation - Addition, Subtraction, Multiplication and division.
   Inverse, Transpose, Adjoint - Cofactor - Singular Arrays - Vectors.

Books:-

1.
2.
3.

Practical's for Internal Assessment

1.

2

3

4

5 Any Other Suitable Practical.

Principal
Mother Kanchan Institute Of
Business Management and
Computer Application, Osmanabad

PAPER X -

PROGRAMMING IN C

Theory   80
Sessional 20
Credits   4

1. Introduction and importance of C language
2. Constants, variables and data types:- Character set - tokens-constant-keywords and identifiers - variables- data types- declaration and assignment of variables- defining symbolic constants.
3. Operators and Expressions: Arithmetic, Relational and Logical Operators Assignment, increment and decrement of operators - conditional bitwise and special operators - arithmetic expression and its evaluation - hierarchy of arithmetic operations - evaluations, precedence and associatively - mathematical functions.
4. Decision-Making and branching: If statement Switch statement - GOTO statement - The ? : Operators.
5. Decision - Making and Looping: WHILE, DO, and FOR statements.
6. Arrays: One-dimensional - Two - dimensional and Multi-dimensional arrays.
7. Handling of Character Set: Declaration & Initialization of string variables - reading from and Writing to screen -Arithmetic operations - String handling functions
8. Structures and Unions: Definitions initialization and assigning values to member's arrays of Structures and arrays within structures structure with in structure- unions- size of structures.
9. Pointers: Declaration and initialization of pointers - pointer expression - pointer and arrays - pointer and character strings pointers and functions - pointers and structures, pointer on pointers.
10. File Maintenance in "C": Defining, Opening and closing a file - Input/output operations on a file- random access to file - command line arguments.
11. User Defined Functions: Form of "C" functions- calling a function - nesting of functions – recursion - functions with arrays.

Books:

1. Programming in "C" E Balgurusamy Tata Cm Graw-Hill
2. The "C" Programming Language :Briain W. Kenigham & Dennis Ritchie
3. The Spirit of "C"- Henrry Mulish, Herbert L. Cooper.
4. Mastering "C" - Crain Bolon.

Practical List for Programming in C Language

1) Write a program to print a message "Welcome to C Language"
2) Write a program to print the personal information like Name, Class, College Name, Address, Age, Nationality, Contact No., etc.
3) Write a program to accept the personal information and print
4) write a program for addition, subtraction, multiplication and division of given number
5) Write a program to accept the marks of six subject the calculate the percentage
6) Write a program to print the table of given number
7) Write a program to find that entered number is even or odd
8) Write a program to print the even and odd number up to given number
9) Write a program to print the alphabets from a to z and z to a
10) Write a program to display the ASCII value of a to z alphabets
11) Write a program to find the prime number up to given number
12) Write a program to find that entered number is prime or not

Principal
Mother Kanchan Institute Of
Business Management and
Computer Application, Osmanabad

13) Write a program to print the Fibonacci series up to given number
14) Write a program to find the area of Perimeter of Triangle & Rectangle
15) Write a program to find the area of circle & square
16) Write a program to find the positive and negative number using if...else statement
17) Write a program to print the days of week & months of year using switch statement
18) Write a program to find the entered character is consonant or vowel using switch statement
19) Write a program to find the entered is leap or not a leap year using ternary operator
20) Write a program to print the class or division using else....if ladder
21) Write a program to find the greater number among two number using if else statement
22) Write a program using goto and break statement
23) Write a program to find the Armstrong Number
24) Write a program to print the number from 1 to 10 in ascending and descending order
25) Write a program to print the addition of 1 to 10 using array
26) Write a program to print the addition of given 10 numbers using array
27) Write a program to print the 2 X 2 matrix
28) Write a program to print the addition of 2 X 2 matrixes
29) Write a program to print the addition of 2 X 3 matrixes
30) Write a program to transpose of matrixes
31) Write a program to multiplication of matrixes
32) Write a program to find the Armstrong number
33) Write a program to find the factorial number of given number
34) Write a program to print the personal and professional information using structure and union
35) Write a program to sort the array using bubble sort technique
36) Demonstrate string library function
37) Demonstrate recursion function
38) Demonstrate pointers
39) Create a structure of employee & read record of five employees and display it.
40) Create a file student and store the record of ten students
41) Demonstrate file handling

Principal
Mother Kanchan Institute Of
Business Management and
Computer Application, Osmanabad

PAPER XI -   **PRINCIPLES OF MANAGEMENT**

Theory   80

Sessional 20

Credits   4

I.   Definition, Nature & Scope of Management, Importance, Management as an Art, Science and Profession, Different approaches to Management.

II.   Evolution of Management thought contribution of Taylor, Fayol, Follet, Drucker.

III.   Management Process, Planning, organizing, staffing, Direction, Controlling, coordination, leadership.

IV.   Functional Management, Human Resource Management, Marketing Management, Financial Management, Materials Management.

Books:

1) Organisation & Management by Agarwal R D

2) Management Practice by Varnashi Murthy

3) Principles of Management by Tripathi & Reddy

Practical's for Internal Assessment

1.

2

3

4

5 Any Other Suitable Practical.

Principal
Mother Kanchan Institute Of
Business Management and
Computer Application, Osmanabad

E.I - OPERATING SYSTEM II (UNIX)

Theory 80

Sessional 20

Credits 4

1. The Operating System

2. Structure of Unix

3. Working with Unix

4. VI Editor

5. Shell Programming

6. Special Utilities

7. System Administration

8. Program Development Aids

9. Hello "C" Shell

10. Unix Internals Practicals on Unix. Familiarizing with Unix environment, Execution of different commands of Unix, Shell Programming, files in Unix-

Books:

1. Unix in Easy Steps by Mohammed Azam

2. Unix by Kernigham

Practical List For UNIX Operating System

1) FILE COMMANDS
2) DIRECTORY COMMANDS
3) SYMOLIC LINKS TERMINAL COMMANDS
4) HELP COMMANDS
5) INFORMATION COMMANDS
6) USEFUL CSHELL SYMBOLS
7) PERMISSIONS AND FILE STORAGE (UNIX)
8) PERMISSIONS AND FILE STORAGE (ANDREW)
9) PROCESSES PRINTING
10) ENVIRONMENT
11) CUSTOMIZING
12) NETWORKING
13) X-APPLICATIONS
14) UNIX FILTERS

Principal
Mother Kanchan Institute Of
Business Management and
Computer Application, Osmanabad

Theory   80
Sessional 20
Credits   4

Unit I :   Event handling & Validations on Forms – JavaScript Handling Events on Button, Textbox, radio button, checkbox, drop down box, text area etc. Form Validation – numeric, alphanumeric, alphabets and any combination of these. Disabling the keys on the keyboard, regular expression

Unit II: VBScript Introduction to VBScript, Variables, Data types, Control Structures & Loops, Functions in VBScript, Client side web scripting, validating forms, DOM, Handling errors

Unit III: Web Publishing and Advanced HTML Concepts: Publishing the Site, The Realities of Publishing and Maintaining a Web Site, introduction of Search engine optimization, Meta –Information, Overview of Client/Server Programming on the Web.

Reference Books:
1. HTML, DHTML, JavaScript, Perl & CGI Ivan Bayross
2. HTML & CSS : The Complete reference, Fifth Edition By Thomas Powell
3. Html, Xhtml, And Css Bible (English) 5th Edition (paperback) by Schafer, Steven
4. HEAD FIRST HTML AND CSS, 2/ED (UPDATED FOR HTML) by ROBSON
5. Beginning HTML and CSS (English) (Paperback) by Rob Larsen
6. Learn to Code HTML and CSS (English) (Paperback) by Howe
7. Javascript Bible (English) 7th Edition by Danny Goodman Michael Morrison Paul Novitski Tia GustaffRayl
8. Javascript Programming: Pushing the Limits (English) 1st Edition By (2013)Jon Raasch
9. Head First JavaScript (2007) By michael Morrison

Practical List for Basic Web Technology - II
1) Introducing Web Browser and concept of URL and Website
2) Write a program to structure of HTML
3) Write a program on formatting tags
4) Write a program on PRE, DIV, SPAN tags
5) Write a program on PRE, DIV, SPAN tags
6) Write a program on font, address, marquee tags
7) Write a program to text level elements
8) Write a program on mailto anchor
9) Write a program on img tag with all attributes
10) Write a program on table tag with all attributes
11) Write a program on frame tag with all attributes
12) Write a program on user registration form using all controls and attributes of form tag
13) Write a program on rollover button
14) Write a program on rollover button
15) Write a program on css of embedded styles, inline styles, imported/external styles
16) Write a program on adding java script to documents with example
17) Write a program on input and output statements of java script

Principal
Mother Kanchan Institute Of
Business Management and
Computer Application, Osmanabad