

BHARATHIAR UNIVERSITY::COIMBATORE-641 046
B.Sc. MULTIMEDIA & WEB TECHNOLOGY (Colleges)
(For the students admitted from the academic year 2010-2011 and onwards)

SCHEME OF EXAMINATION - CBCS PATTERN

| Part | Study Components | Course title | Ins. hrs/ week | Examinations | | | | Credit |
|---------------------|---|--------------|-------------------|--------------|-----|-------|-------------|--------|
| | | | | Dur.Hrs | CIA | Marks | Total Marks | |
| Semester I | | | | | | | | |
| I | Language – I | | 6 | 3 | 25 | 75 | 100 | 4 |
| II | English – I | | 6 | 3 | 25 | 75 | 100 | 4 |
| III | Core 1: Data Structures and C Programming | | 4 | 3 | 25 | 75 | 100 | 4 |
| | Core 2: Computer Organization and Architecture | | 4 | 3 | 25 | 75 | 100 | 4 |
| | Core Lab 1: C Programming Using Data Structures | | 3 | 3 | 40 | 60 | 100 | 4 |
| | Allied 1: Mathematical Structures for Computer Science | | 5 | 3 | 25 | 75 | 100 | 4 |
| IV | Environmental Studies # | | 2 | 3 | - | 50 | 50 | 2 |
| Semester II | | | | | | | | |
| I | Language – II | | 6 | 3 | 25 | 75 | 100 | 4 |
| II | English – II | | 6 | 3 | 25 | 75 | 100 | 4 |
| III | Core 3: Object Oriented Programming with C++ | | 5 | 3 | 25 | 75 | 100 | 4 |
| | Core Lab 2: Programming in C++ | | 4 | 3 | 40 | 60 | 100 | 4 |
| | Core Lab 3: Programming Lab – Internet Basics | | 2 | 3 | 20 | 30 | 50 | 2 |
| | Allied 2: Discrete Mathematics | | 6 | 3 | 25 | 75 | 100 | 4 |
| IV | Value Education – Human Rights # | | 2 | 3 | - | 50 | 50 | 2 |
| Semester III | | | | | | | | |
| | Core 4: Introduction to Web Design and Applications | | 6 | 3 | 25 | 75 | 100 | 4 |
| III | Core 5: Internet & Java Programming | | 6 | 3 | 25 | 75 | 100 | 4 |
| III | Core Lab 3: HTML, XML, JAVA Script | | 5 | 3 | 40 | 60 | 100 | 4 |
| III | Allied 3: Client/Server Computing | | 6 | 3 | 25 | 75 | 100 | 4 |
| IV | Skill based Subject I – Data Communication and Networks | | 5 | 3 | 20 | 55 | 75 | 3 |
| IV | Tamil @ / Advanced Tamil# (OR) Non-major elective - I (Yoga for Human Excellence)# / Women's Rights# | | 2 | 3 | 50 | 50 | 50 | 2 |

| Semester IV | | | | | | | |
|--------------------|---|---|---|----|----|------|-----|
| III | Core 6: Computer Graphics | 6 | 3 | 25 | 75 | 100 | 4 |
| | Core 7: Multimedia & its Applications | 6 | 3 | 25 | 75 | 100 | 4 |
| | Core Lab 4: Computer Graphics & Multimedia | 6 | 3 | 40 | 60 | 100 | 4 |
| | Allied 4: Computer Aided Design and Manufacturing | 6 | 3 | 25 | 75 | 100 | 4 |
| IV | Skill based Subject 2 - Network Lab | 4 | 3 | 30 | 45 | 75 | 3 |
| IV | Tamil @ / Advanced Tamil# (OR) Non-major elective - I (Yoga for Human Excellence)# / Women's Rights# | 2 | 3 | 50 | | 50 | 2 |
| Semester V | | | | | | | |
| III | Core 8: Animation Techniques | 5 | 3 | 25 | 75 | 100 | 4 |
| III | Core 9: System Programming | 5 | 3 | 25 | 75 | 100 | 4 |
| III | Core 10: Digital Image Processing | 5 | 3 | 25 | 75 | 100 | 4 |
| | Core Lab 5: Animation Lab | 6 | 3 | 40 | 60 | 100 | 4 |
| | Elective I | 5 | 3 | 25 | 75 | 100 | 4 |
| IV | Skill based Subject 3 - Network Security & Cryptography | 4 | 3 | 20 | 55 | 75 | 3 |
| Semester VI | | | | | | | |
| III | Core 11: Web Technology | 5 | 3 | 25 | 75 | 100 | 4 |
| | Core 12: Project work lab ++ | 5 | 3 | 25 | 75 | 100 | 4 |
| | Core Lab 6: Web Technology | 6 | 3 | 40 | 60 | 100 | 4 |
| | Elective II | 5 | 3 | 25 | 75 | 100 | 4 |
| | Elective III | 5 | 3 | 25 | 75 | 100 | 4 |
| IV | Skill Based Subject 4 - : Network Security Lab | 4 | 3 | 30 | 45 | 75 | 3 |
| V | Extension Activities @ | - | - | 50 | - | 50 | 2 |
| Total | | | | | | 3500 | 140 |

@ No University Examinations. Only Continuous Internal Assessment (CIA)

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++ In lieu of one theory paper - **see Project work guidelines**

| List of Elective papers (Colleges can choose any one of the paper as electives) | | |
|--|----------|-----------------------------|
| Elective – I | A | Embedded Systems |
| | B | Software Engineering |
| | C | .Net Programming |
| Elective – II | A | Flash |
| | B | Distributed Computing |
| | C | Mobile Computing |
| Elective - III | A | 3Ds MAX Animation |
| | B | Web Services |
| | C | Software Project Management |

Note :

1. The Syllabus for the above papers (except Core Lab 3: Programming Lab –Internet Basics) be the same as prescribed for the academic year 2008-09.
2. The syllabus for the Core Lab 3: Programming Lab –Internet Basics is furnished below :

Core Lab 3: Programming Lab –Internet Basics

List of Practical

- 1.To create an email-id.
- 2.To compose and send a mail.
- 3.To forward a mail and to reply for a mail.
- 4.To send a mail with an attachment.
- 5.To download the attached document of a mail received.
- 6.To send a mail to a large number of recipients using cc and bcc options.
- 7.To search a thing using a search engine.
- 8.To open and read newspaper sites,TVprogrammes schedules using Internet.
- 9.To verify a university /college details by opening their websites.
- 10.To upload your resume with any one job portal.

GUIDELINES FOR PROJECT WORK

(For the Students Admitted During 2010-11)

* The aim of the Project work is to acquire practical knowledge on the implementation of the programming concepts studied.

* Each student should carry out individually one Project Work and it may be a work Using the software packages that they have learned or the implementation of Concepts from the papers studied or implementation of any innovative idea.

* The Project work should be **compulsorily done in the college only under the supervision of the Department staff concerned.**

* University Exam will be conducted as follows.

End Semester Viva

- Viva-voce will be conducted at the end of VI semester for 100 marks.

- Both the Internal (Respective Guides) and External Examiners (50+50)Should Conduct the Viva-Voce Examination at the last day of the practical session.

- Out of 50 marks, 25 for Project Evaluation and 25 for Viva.

- For awarding a pass, a candidate should have obtained 40% of the Total 100 marks.