BHARATHIAR UNIVERSITY::COIMBATORE-641 046
B.Sc. COMPUTER 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	Dur.Hrs	CIA	Marks	Total Marks	Credit
	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 Lab With C++		4	3	40	60	100	4
	Core Lab 3: Programming Lab – Internet Basics		2	3	20	30	50	2
	Allied 2: Discrete Mathematics		5	3	25	75	100	4
IV	Value Education – Human Rights #		2	3	-	50	50	2
	Semester III							
III	Core 4: RDBMS and ORACLE		6	3	25	75	100	4
III	Core 5: Visual Programming (Visual Basic)		6	3	25	75	100	4
III	Core Lab 3: Visual Programming Lab - VB With MS Access		5	3	40	60	100	4
III	Allied 3: Microprocessors and ALP		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	2

	Semester IV						
III	Core 6: Java Programming	6	3	25	75	100	4
	Core 7: Client/Server Computing	6	3	25	75	100	4
	Core Lab 4: Programming Lab - Java	6	3	40	60	100	4
	Allied 4: Computer Installation and Servicing	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 -II (General Awareness #)	2	3	50		50	2
	Semester V						
III	Core 8: Software Engineering	5	3	25	75	100	4
III	Core 9: Operating Systems	5	3	25	75	100	4
III	Core 10: Graphics and Multimedia	5	3	25	75	100	4
	Core Lab 5: Multimedia	6	3	40	60	100	4
	Elective I	5	3	25	75	100	4
IV	Skill based Subject 3 - Network Security and Management	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	1
	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**	Mobile Computing
	B	Distributed Computing
	C	Digital Image Processing
Elective – II	**A**	Artificial Intelligence and Expert Systems
	B	Animation Techniques
	C	E-Commerce
Elective - III	**A**	Data Mining
	B	Embedded Systems
	C	Computer Aided Design and Manufacturing

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, TV programmes 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.