BHARATHIAR UNIVERSITY::COIMBATORE-641 046
B.Sc. COMPUTER SCIENCE AND APPLICATIONS (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.Hr	CIA	Marks	Total Marks	Credit
						Examinations		
	SEMESTER I							
I	Language – I		6	3	25	75	100	4
II	English – I		6	3	25	75	100	4
III	Core 1: COBOL Programming		4	3	25	75	100	4
	Core 2: Digital Fundamentals and Architecture		4	3	25	75	100	4
	Core Lab 1: Programming Lab – COBOL		3	3	40	60	100	4
	Allied 1: Discrete Mathematics		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: Data Structures and C Programming		5	3	25	75	100	4
	Core Lab 2: Programming Lab –C(DataStructures)		4	3	40	60	100	4
	Core Lab 3: Programming Lab – Internet Basics		2	3	20	30	50	2
	Allied 2: Computer-BasedOptimizationTechniques		5	3	25	75	100	4
IV	Value Education – Human Rights #		2	3	-	50	50	2
	SEMESTER III							
	Core 4: Operating Systems		6	3	25	75	100	4
III	Core 5: C++ Programming		6	3	25	75	100	4
III	Core Lab 3: Programming Lab - C++		5	3	40	60	100	4
III	Allied 3: Management Information Systems		6	3	25	75	100	4
IV	Tamil @ / Advanced Tamil# (OR) Non-major elective - I (Yoga for Human Excellence)# / Women's Rights#		2	3	50		50	2
IV	Skill based Subject-I-Multimedia		5	3	20	55	75	3
	SEMESTER IV							
III	Core-6: Computer Graphics		6	3	25	75	100	4
	Core-7: Multimedia and its Applications		6	3	25	75	100	4
	Core Lab-4: Programming Lab – Graphics using C		6	3	40	60	100	4
	Allied-4: Business Accounting		6	3	25	75	100	
IV	Tamil @ /Advanced Tamil # (OR) Non-major elective -II (General Awareness #)		2	3	50		50	2
IV	Skill based Subject 2 - Multimedia Lab - Photoshop		4	3	20	55	75	3

	SEMESTER V						
III	Core-8: RDBMS & ORACLE	5	3	25	75	100	4
III	Core-9: Visual Programming-Visual Basic	5	3	25	75	100	4
III	Core-10: Artificial Intelligence & Expert Systems	5	3	25	75	100	4
	Core Lab-5: Programming Lab-VB & Oracle	6	3	40	60	100	4
	Elective – I	5	3	25	75	100	4
IV	Skill based Subject 3 - Animation Techniques	4	3	20	55	75	3
	SEMESTER VI						
III	Core-11: Java Programming	5	3	25	75	100	4
	Core-12: Project work lab ++	5	3	25	75	100	4
	Core Lab-6: Programming Lab - Java	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 - Animation Lab - Flash	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**	Client / Server Computing
	B	E-Commerce
	C	Software Engineering
Elective – II	**A**	Network Security & Cryptography
	B	Distributed Computing
	C	Computer Networks
Elective - III	**A**	Mobile Computing
	B	Web Technology
	C	Software Testing

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 2009-10.
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.