

BHARATHIAR UNIVERSITY, COIMBATORE.
M. Sc. COMPUTER SCIENCE WITH COMPULSORY DIPLOMA IN SOFTWARE
QUALITY ASSURANCE (Affiliated Colleges)
(Effective from the academic Year 2008-2009)
SCHEME OF EXAMINATIONS – CBCS PATTERN

Sem.	Study Components	Course title	Ins. hrs/ week	Exam				Credit
				Dur.	CIA	Marks	Total Marks	
Semester I								
I	Paper I	Advanced Computer Architecture	4	3	25	75	100	4
	Paper II	Analysis & Design of Algorithms	5	3	25	75	100	4
	Paper III	Object Oriented Analysis and Design & C++	5	3	25	75	100	4
	Paper IV	Advanced Networks	4	3	25	75	100	4
	Paper V	Advanced Software Engineering	4	3	25	75	100	4
	Practical I	Algorithm and OOPS Lab	5	3	40	60	100	6
	Elective / Dip. Paper I	Software Quality Assurance	3	3	25	75	100	3
Semester II								
II	Paper VI	Data Mining and Warehousing	5	3	25	75	100	4
	Paper VII	Advanced Operating System	5	3	25	75	100	4
	Paper VIII	Advanced Concepts of Internet & Web	5	3	25	75	100	4
	Paper IX	Special Elective – I	6	3	25	75	100	4
	Practical II	Advanced Operating System & Internet Applications Lab	6	3	40	60	100	6
	Elective / Dip. Paper II	Software Reliability	3	3	25	75	100	3
Semester III								
III	Paper X	Digital Image Processing	5	3	25	75	100	4
	Paper XI	Advanced Tools in Computing	5	3	25	75	100	4
	Paper XII	Network Security and Cryptography	5	3	25	75	100	4
	Paper XIII	Special Elective – II	5	3	25	75	100	4
	Practical III	Advanced Tools in Computing Lab	4	3	40	60	100	6
	Elective / Dip. Paper III	Software Testing	3	3	25	75	100	3
	Elective / Dip. Paper IV	Software Testing Lab	3	3	40	60	100	3
IV	Project work and Viva voce						200*	8
	Total						2200	90

* Project report - 160 marks; Viva-voce – 40 marks

SPECIAL ELECTIVE – I FOR II SEM.

- E.1.1. Software Testing
- E.1.2. Distributed Computing
- E.1.3. Neural Network and Fuzzy Logic
- E.1.4. Artificial Intelligence & Expert Systems

SPECIAL ELECTIVE – II FOR III SEM

- E.2.1. Multimedia and its Applications
- E.2.2. Embedded Systems
- E.2.3. Natural Language Processing
- E.2.4. Simulation and Modeling

Note: The syllabi for the above papers be the same as prescribed for the academic year 2007-08