BHARATHIAR UNIVERSITY, COIMBATORE.
M. Sc. SOFTWARE SYSTEM WITH COMPULSORY DIPLOMA IN MULTIMEDIA AND ANIMATION & DIPLOMA IN WEB APPLICATIONS
(Affiliated Colleges - Effective from the academic Year 2008-2009)
SCHEME OF EXAMINATIONS – CBCS PATTERN

Sem	Study Components	Course title	Ins. hrs/ week	Dur.	CIA	Marks	Total Marks	Credit
	FIRST YEAR							
	Paper I English		2	3	25	75	100	3
	Paper II Algebra & Calculus		4	3	25	75	100	3
	Paper III Numerical Methods		3	3	25	75	100	3
	Paper IV Applied Physics		3	3	25	75	100	3
	Paper V Fundamentals of Digital Computer		3	3	25	75	100	3
	Paper V I Fundamentals of S/W Development		3	3	25	75	100	3
	Paper VII Accounting & Financial Management		3	3	25	75	100	3
	Practical I PC Software Laboratory		3	3	40	60	100	3
	Practical II Digital Electronics Laboratory		3	3	40	60	100	3
	Practical III 'C' Programming Laboratory		3	3	40	60	100	3
	SECOND YEAR							
III	Paper I Applied Mathematics		4	3	25	75	100	3
	Paper II Microprocessors & Assembly Language Programming		4	3	25	75	100	3
	Paper III Computer Organization		4	3	25	75	100	3
	Paper IV Data Structures		3	3	25	75	100	3
	Paper V COBOL & Business Data Processing		3	3	25	75	100	3
	Practical I Data Structures Lab(C)		3	3	40	60	100	3
	Practical II Data Processing Lab(COBOL)		3	3	40	60	100	3
	Practical III Assembly Language Programming Lab		3	3	40	60	100	3
	Elective /Dip.I Paper I Multimedia		3	3	25	75	100	3
IV	Paper I Discrete Structures		4	3	25	75	100	3
	Paper II Operation Research		4	3	25	75	100	3
	Paper III Data Structures II		3	3	25	75	100	3
	Paper IV Operating System		3	3	25	75	100	3
	Paper V Object Oriented Programming in C++		4	3	25	75	100	3
	Practical I XBASE Lab		3	3	40	60	100	3
	Practical II Object Oriented Programming Lab		3	3	40	60	100	3
	Practical III Operation Research Lab		3	3	40	60	100	3
	Elective /Dip.I Paper II Multimedia Lab - Photoshop		3	3	40	60	100	3

	THIRD YEAR						
V	Paper I Probability & Statistics	3	3	25	75	100	3
	Paper II Computer Graphics	3	3	25	75	100	3
	Paper III System Software	3	3	25	75	100	3
	Paper IV Structured System Analysis & Design	3	3	25	75	100	3
	Paper V Computer Networks	3	3	25	75	100	3
	Practical I Graphics Lab	4	3	40	60	100	3
	Practical II System Software Lab (Using C or C++)	4	3	40	60	100	3
	Practical III System Development Lab	4	3	40	60	100	3
	Elective /Dip.I Paper III Animation Techniques	3	3	25	75	100	3
VI	Paper I Client Server Computing	4	3	25	75	100	3
	Paper II Principles of Compiler Design	4	3	25	75	100	3
	Paper III Human Psychology Communication Skills	4	3	25	75	100	3
	Paper IV Object Oriented Analysis & Design	3	3	25	75	100	3
	Paper V Database Management System	3	3	25	75	100	3
	Practical I Windows Programming Lab	3	3	40	60	100	3
	Practical II RDBMS & Front end Tools Lab	3	3	40	60	100	3
	Practical III Compiler Design Lab	3	3	40	60	100	3
	Elective /Dip. I Animation Lab - Flash	3	3	40	60	100	3

	FORTH YEAR						
VII	Project work and Viva voce	6 MONTHS				200*	13
VIII	Paper I Modern Communication Technology	4	3	25	75	100	3
	Paper II Internet & Java Programming	4	3	25	75	100	3
	Paper III Software Project Management	4	3	25	75	100	3
	Paper IV Special Elective – I	3	3	25	75	100	3
	Paper V Special Elective – II	3	3	25	75	100	3
	Practical I Software Development Lab	3	3	40	60	100	3
	Practical II Internet & Java Programming Lab	3	3	40	60	100	3
	Practical III Elective Lab	3	3	40	60	100	3
	Elective /Dip. II- Paper I Web Designing	3	3	25	75	100	3
	Elective /Dip. II- Paper II Web Services	3	3	25	75	100	3

	FIFTH YEAR						
IX	Paper I Principles of Management & Marketing	4	3	25	75	100	3
	Paper II Software Quality Assurance	4	3	25	75	100	3
	Paper III Software Testing	4	3	25	75	100	3
	Paper IV Special Elective – III	3	3	25	75	100	3
	Paper V Special Elective – IV	3	3	25	75	100	3
	Practical I Software Quality Assurance Lab	3	3	40	60	100	3
	Practical II Software Testing Lab	3	3	40	60	100	3
	Practical III Elective Lab	3	3	40	60	100	3
	Elective /Dip. II Paper III ASP.NET	3	3	25	75	100	3
	Elective /Dip.II ASP.NET programming Lab	3	3	40	60	100	3
X	Project work and Viva voce	6 MONTHS				200*	14
	Total					7000	225

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

SPECIAL ELECTIVE – I FOR II AND II
(VIII SEM)

E.1. Principles of Programming Languages
E.2. Neural Networks
E.3. Security in Computing
E.4. Artificial Intelligence & Expert Systems
E.5 Modeling Languages and Applications
E.6   PC Testing & Trouble Shooting

SPECIAL ELECTIVE – III AND IV
(IX SEM)

E.7 Multimedia and Applications
E.8 Client Server Administration
E.9 Architecture Of Unix And Windows
E.10 Modelling And Simulation
E.11 Tcp/Ip Networks
E.12 Component Technology
E.13 Embedded Systims And Real
         Time Operating Systems

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