



UNIVERSITY OF MADRAS
INSTITUTE OF DISTANCE EDUCATION
B.C.A

SEMESTER I		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part I	Paper-I			Tamil or other language	3	
Part II	Paper-I	English	3	25	75	100
Part III	Core Paper-I	Fundamentals of Digital Computers	4	25	75	100
	Core Paper-II	Practical – I : PC Software Lab	2	40	60	100
	Allied Paper- I	Mathematics – I	3	25	75	100

SEMESTER II		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part I	Paper-II			Tamil or other language	3	
Part II	Paper-II	English	3	25	75	100
Part III	Core Paper-III	Programming in C	4	25	75	100
	Core Paper-IV	Practical – II : Programming in C Lab	2	40	60	100
	Allied Paper-II	Mathematics – II	3	25	75	100

SEMESTER III		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part III	Core Paper-V			Programming in C++ and Data Structures	5	
	Core Paper-VI	Microprocessors and its Applications	4	25	75	100
	Core Paper-VII	Numerical and Statistical Methods	4	25	75	100
	Core Paper-VIII	Practical-III : Programming in C++ using Data structures	2	40	60	100
Part IV	NME-I	Financial Accounting	2	25	75	100



SEMESTER IV		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part I	Core Paper-IX			Programming in Java	4	
Part II	Core Paper-X	Operating System	4	25	75	100
Part III	Core Paper-XI	Computer Graphics	4	25	75	100
	Core Paper-XII	Practical-IV : Java Programming Lab	2	40	60	100
Part IV	NME-II	Cost and Management Accounting	2	25	75	100

SEMESTER V		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part III	Core Paper-XIII			Database Management System	4	
	Core Paper-XIV	Software Engineering	4	25	75	100
	Core Paper-XV	Resource Management Techniques	5	25	75	100
	Core Paper-XVI	Practical-V : RDBMS Lab	2	40	60	100
	Core Elective –I	Visual Programming	3	25	75	100
Part IV		Environmental Studies	2	25	75	100

SEMESTER VI		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part III	Core Paper-XVII			Web Technology	4	
	Core Paper-XVIII	Data Communication and Net Working	4	25	75	100
	Core Paper-XIX	Software Testing	4	25	75	100
	Core Paper-XX	Practical-VI : Web Application Lab	2	40	60	100
	Core Elective- II	Multimedia Systems	3	25	75	100
Part IV		Value Education	2	25	75	100