

MCA SEM – I

Name of Paper	Combination Code
LEVEL – I	
Computer Organization and Fundamentals of Operating Systems	1
LEVEL – II	
Database Management System	1
LEVEL – III	
Computer Programming and Programming Methodology	1
LEVEL – IV	
Enterprise Resource Planning and Financial Management	1
LEVEL – V	
Mathematical Foundation of Computer Science	1
LEVEL – VI	
Software Lab	1
LEVEL – VII	
Programming Skills – I	1

MCA SEM – II

Name of Paper	Combination Code
LEVEL – I	
Object Oriented Programming Methodology	1
LEVEL – II	
Data Structures	1
LEVEL – III	
Relational Database Management System	1
LEVEL – IV	
Optimization Techniques	1
LEVEL – V	
Computer Networks	1
LEVEL – VI	
Programming Skills – II	1
LEVEL – VII	
Programming Skills – III	1
LEVEL – VIII	
Programming Skills – IV	1

MCA SEM – III

Name of Paper	Combination Code
LEVEL – I	
Client Server Architecture	1
LEVEL – II	
Operating System	1
LEVEL – III	
Software Engineering	1
LEVEL – IV	
Programming in .NET	1
LEVEL – V	
Java Programming	1
LEVEL – VI & VII & VIII	
Practical V, VI & VII	1

MCA – IV

Name of Paper	Combination Code
LEVEL – I	
Mobile Application Programming	1
LEVEL – II	
Information Systems	1
LEVEL – III	
Data Communication and Network Protocols	1
LEVEL – IV	
Interactive Computer Graphics	1
LEVEL – V	
Unix Internals and Shell Programming	1
LEVEL – VI, VII, VIII	
Programming Skills VIII, IX and X	1
LEVEL – IX	
Project	1

MCA SEM – V

Name of Paper	Combination Code
LEVEL – I	
Cloud Computing	1
LEVEL – II	
Artificial Intelligence and Knowledge Based Systems	1
LEVEL – III, IV, V (Elective Group)	
Database Group	
ERP using SAP	1
Advanced Database Administration	1
Data Warehousing and Data Mining	1
Web Technology Group	
Advanced Java Programming	2
Advanced Web Technology	2
Open Source Web Based Programming	2
LEVEL – VI, VII, VIII and XIV	
Programming Skills XI, XII, XIII, XIV	1

MCA SEM – IV

Name of Paper	Combination Code
Seminar	1
Project	1