

Harcourt Butler Technological Institute Kanpur

Study and Evaluation Scheme

MCA (Master of Computer Applications)

[Effective from the session 2014-15]

YEAR - II SEMESTER - III

S.No.	Course Code	Course Name	Periods			Evaluation Scheme				
						Sessional Marks			ESE	Total Marks
L	T	P	CT	TA	Total					
1	ICA-301	Software Engineering	3	1	0	30	20	50	100	150
2	ICA-302	Design and Analysis of Algorithms	3	1	0	30	20	50	100	150
3	ICA-303	Database Management Systems	3	1	0	30	20	50	100	150
4	ICA-304	Internet & Java Programming	3	1	0	30	20	50	100	150
5	ICA-305	Computer Based Optimization Techniques	3	1	0	30	20	50	100	150
PRACTICALS										
6	ICA-351	DBMS Lab	0	0	3	30	20	50	50	100
7	ICA-352	IJP Lab	0	0	3	30	20	50	50	100
8	IGP-301	General Proficiency						50		50
Total			15	5	6	-	-	-	-	1000

YEAR - II SEMESTER - IV

S.No.	Course Code	Course Name	Periods			Evaluation Scheme				
						Sessional Marks			ESE	Total Marks
L	T	P	CT	TA	Total					
1	ICA-401	Object Oriented System Modeling	3	1	0	30	20	50	100	150
2	ICA-402	Computer Graphics and Animation	3	1	0	30	20	50	100	150
3	ICA-403	Fundamentals of E-Commerce	3	1	0	30	20	50	100	150
4	ICA-404	Computer Networks	3	1	0	30	20	50	100	150
5	ICA-411 (5)	Elective-I	3	1	0	30	20	50	100	150
PRACTICALS										
6	ICA-451	OOSM Lab	0	0	3	30	20	50	50	100
7	ICA-452	CGA Lab	0	0	3	30	20	50	50	100
8	IGP-401	General Proficiency						50		50
Total			15	5	6	-	-	-	-	1000

List of Elective-I

- 1 ERP Systems (ICA-411)
- 2 Real Time Systems (ICA-412)

- 3 Software Testing (ICA-413)
- 4 Information Security & Cyber Laws (ICA-414)
- 5 Cryptography & Network Security (ICA-415)