

(SCHEME OF EXAMINATIONS)

Scheme of Programme Code: 044 Programme Name: MASTER OF COMPUTER APPLICATIONS SchemeID: 160442015001 Sem./Year: 01 SEMESTER
 Institution Code: 170 Institution: TECNIA INSTITUTE OF ADVANCED STUDIES

S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	44101	MCA101	FUNDAMENTALS OF IT	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
02	44103	MCA103	PROGRAMMING IN C	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44105	MCA105	DISCRETE MATHEMATICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44107	MCA107	COMPUTER ORGANIZATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44109	MCA109	PRINCIPLES AND PRACTICES OF MANAGEMENT	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
06	44151	MCA151	FUNDAMENTALS OF IT LAB.	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
07	44153	MCA153	PROGRAMMING IN C LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44155	MCA155	COMPUTER ORGANIZATION LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44161	MCA161	GENERAL PROFICIENCY- I	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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Scheme of Programme Code: 044 Programme Name: MASTER OF COMPUTER APPLICATIONS SchemeID: 160442015001 Sem./Year: 01 SEMESTER
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S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	44101	MCA101	FUNDAMENTALS OF IT	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
02	44103	MCA103	PROGRAMMING IN C	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44105	MCA105	DISCRETE MATHEMATICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44107	MCA107	COMPUTER ORGANIZATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44109	MCA109	PRINCIPLES AND PRACTICES OF MANAGEMENT	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
06	44151	MCA151	FUNDAMENTALS OF IT LAB.	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
07	44153	MCA153	PROGRAMMING IN C LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44155	MCA155	COMPUTER ORGANIZATION LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44161	MCA161	GENERAL PROFICIENCY- I	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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Scheme of Programme Code: 044 Programme Name: MASTER OF COMPUTER APPLICATIONS SchemeID: 160442015001 Sem./Year: 03 SEMESTER
 Institution Code: 170 Institution: TECNIA INSTITUTE OF ADVANCED STUDIES

S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	44201	MCA201	THEORY OF COMPUTATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
02	44203	MCA203	COMPUTER GRAPHICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44205	MCA205	JAVA PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44207	MCA207	DATA COMMUNICATIONS AND NETWORKING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44209	MCA209	C# PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
06	44251	MCA251	COMPUTER GRAPHICS LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
07	44253	MCA253	JAVA PROGRAMMING LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44255	MCA255	C# PROGRAMMING LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44261	MCA261	GENERAL PROFICIENCY -III	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	44201	MCA201	THEORY OF COMPUTATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
02	44203	MCA203	COMPUTER GRAPHICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44205	MCA205	JAVA PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44207	MCA207	DATA COMMUNICATIONS AND NETWORKING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44209	MCA209	C# PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
06	44251	MCA251	COMPUTER GRAPHICS LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
07	44253	MCA253	JAVA PROGRAMMING LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44255	MCA255	C# PROGRAMMING LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44261	MCA261	GENERAL PROFICIENCY -III	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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Scheme of Programme Code: 044 Programme Name: MASTER OF COMPUTER APPLICATIONS SchemeID: 160442015001 Sem./Year: 05 SEMESTER
Institution Code: 170 Institution: TECNIA INSTITUTE OF ADVANCED STUDIES

S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	44301	MCA301	LINUX PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
02	44303	MCA303	SOFTWARE TESTING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44305	MCA305	ENTERPRISE COMPUTING WITH JAVA	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44307	MCA307	ADVANCED DATABASE MANAGEMENT SYSTEMS	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
05	44309	MCA309	NUMERICAL AND SCIENTIFIC COMPUTING	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
06	44311	MCA311	SOFTWARE PROJECT MANAGEMENT	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
07	44313	MCA313	MULTIMEDIA TECHNOLOGIES	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
08	44315	MCA315	MOBILE COMPUTING	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
09	44317	MCA317	ARTIFICIAL INTELLIGENCE	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
10	44319	MCA319	MICROPROCESSORS	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
11	44321	MCA321	COMPILER DESIGN	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
12	44323	MCA323	OPERATIONAL RESEARCH	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
13	44325	MCA325	DISTRIBUTED SYSTEMS	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
14	44327	MCA327	FINANCIAL ACCOUNTING	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
15	44329	MCA329	ORGANIZATIONAL BEHAVIOR	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
16	44331	MCA331	ADVANCED COMPUTER ARCHITECTURE	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
17	44333	MCA333	SOFTWARE QUALITY MANAGEMENT	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
18	44335	MCA335	DIGITAL SIGNAL PROCESSING	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
19	44337	MCA337	RESEARCH PROJECT	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
20	44351	MCA351	LINUX PROGRAMMING LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
21	44353	MCA353	SOFTWARE TESTING LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
22	44355	MCA355	ENTERPRISE COMPUTING WITH JAVA LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
23	44357	MCA357	LAB BASED ON ELECTIVE - I	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
24	44361	MCA361	GENERAL PROFICIENCY - V	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	44301	MCA301	LINUX PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
02	44303	MCA303	SOFTWARE TESTING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44305	MCA305	ENTERPRISE COMPUTING WITH JAVA	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44307	MCA307	ADVANCED DATABASE MANAGEMENT SYSTEMS	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
05	44309	MCA309	NUMERICAL AND SCIENTIFIC COMPUTING	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
06	44311	MCA311	SOFTWARE PROJECT MANAGEMENT	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
07	44313	MCA313	MULTIMEDIA TECHNOLOGIES	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
08	44315	MCA315	MOBILE COMPUTING	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
09	44317	MCA317	ARTIFICIAL INTELLIGENCE	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
10	44319	MCA319	MICROPROCESSORS	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
11	44321	MCA321	COMPILER DESIGN	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
12	44323	MCA323	OPERATIONAL RESEARCH	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
13	44325	MCA325	DISTRIBUTED SYSTEMS	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
14	44327	MCA327	FINANCIAL ACCOUNTING	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
15	44329	MCA329	ORGANIZATIONAL BEHAVIOR	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
16	44331	MCA331	ADVANCED COMPUTER ARCHITECTURE	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
17	44333	MCA333	SOFTWARE QUALITY MANAGEMENT	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
18	44335	MCA335	DIGITAL SIGNAL PROCESSING	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
19	44337	MCA337	RESEARCH PROJECT	4	THEORY	UES	ELECTIVE	DROPPABLE	25	75	100	40
20	44351	MCA351	LINUX PROGRAMMING LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
21	44353	MCA353	SOFTWARE TESTING LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
22	44355	MCA355	ENTERPRISE COMPUTING WITH JAVA LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
23	44357	MCA357	LAB BASED ON ELECTIVE - I	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
24	44361	MCA361	GENERAL PROFICIENCY - V	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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02	44103	MCA103	PROGRAMMING IN C	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44105	MCA105	DISCRETE MATHEMATICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44107	MCA107	COMPUTER ORGANIZATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44109	MCA109	PRINCIPLES AND PRACTICES OF MANAGEMENT	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
06	44151	MCA151	FUNDAMENTALS OF IT LAB.	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
07	44153	MCA153	PROGRAMMING IN C LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44155	MCA155	COMPUTER ORGANIZATION LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44161	MCA161	GENERAL PROFICIENCY- I	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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01	44101	MCA101	FUNDAMENTALS OF IT	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
02	44103	MCA103	PROGRAMMING IN C	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44105	MCA105	DISCRETE MATHEMATICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44107	MCA107	COMPUTER ORGANIZATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44109	MCA109	PRINCIPLES AND PRACTICES OF MANAGEMENT	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
06	44151	MCA151	FUNDAMENTALS OF IT LAB.	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
07	44153	MCA153	PROGRAMMING IN C LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44155	MCA155	COMPUTER ORGANIZATION LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44161	MCA161	GENERAL PROFICIENCY- I	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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 Institution Code: 170 Institution: TECNIA INSTITUTE OF ADVANCED STUDIES

S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	44201	MCA201	THEORY OF COMPUTATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
02	44203	MCA203	COMPUTER GRAPHICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44205	MCA205	JAVA PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44207	MCA207	DATA COMMUNICATIONS AND NETWORKING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44209	MCA209	C# PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
06	44251	MCA251	COMPUTER GRAPHICS LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
07	44253	MCA253	JAVA PROGRAMMING LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44255	MCA255	C# PROGRAMMING LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44261	MCA261	GENERAL PROFICIENCY -III	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

(SCHEME OF EXAMINATIONS)

Scheme of Programme Code: 044 Programme Name: MASTER OF COMPUTER APPLICATIONS SchemeID: 160442015002 Sem./Year: 03 SEMESTER
 Institution Code: 170 Institution: TECNIA INSTITUTE OF ADVANCED STUDIES

S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	44201	MCA201	THEORY OF COMPUTATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
02	44203	MCA203	COMPUTER GRAPHICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44205	MCA205	JAVA PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44207	MCA207	DATA COMMUNICATIONS AND NETWORKING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44209	MCA209	C# PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
06	44251	MCA251	COMPUTER GRAPHICS LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
07	44253	MCA253	JAVA PROGRAMMING LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44255	MCA255	C# PROGRAMMING LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44261	MCA261	GENERAL PROFICIENCY III	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	44201	MCA201	THEORY OF COMPUTATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
02	44203	MCA203	COMPUTER GRAPHICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44205	MCA205	JAVA PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44207	MCA207	DATA COMMUNICATIONS AND NETWORKING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44209	MCA209	C# PROGRAMMING	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
06	44251	MCA251	COMPUTER GRAPHICS LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
07	44253	MCA253	JAVA PROGRAMMING LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44255	MCA255	C# PROGRAMMING LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44261	MCA261	GENERAL PROFICIENCY -III	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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02	44103	MCA103	PROGRAMMING IN C	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
03	44105	MCA105	DISCRETE MATHEMATICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44107	MCA107	COMPUTER ORGANIZATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44109	MCA109	PRINCIPLES AND PRACTICES OF MANAGEMENT	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
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07	44153	MCA153	PROGRAMMING IN C LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44155	MCA155	COMPUTER ORGANIZATION LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44161	MCA161	GENERAL PROFICIENCY- I	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

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03	44105	MCA105	DISCRETE MATHEMATICS	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
04	44107	MCA107	COMPUTER ORGANIZATION	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
05	44109	MCA109	PRINCIPLES AND PRACTICES OF MANAGEMENT	4	THEORY	UES	COMPULSORY	DROPPABLE	25	75	100	40
06	44151	MCA151	FUNDAMENTALS OF IT LAB.	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
07	44153	MCA153	PROGRAMMING IN C LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
08	44155	MCA155	COMPUTER ORGANIZATION LAB.	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	40
09	44161	MCA161	GENERAL PROFICIENCY- I	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	40

