

National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B.Arch 1st Semester				Branch: AR	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	TS	PS		MSE/MTR		ESE/ESVE			
							Theory	Viva	Theory	Viva		
1	AR20I101AR	Architectural Design-I	3	3	1	100	30	20	0	50	200	6
2	AR20I102AR	Architectural Graphics	2	1	1	60	30	20	50	40	200	4
3	AR20I103AR	Pre-Historic and Ancient History of Architecture	3	0	0	20	30	0	50	0	100	3
4	AR20I001AR	Building Materials & Construction Techniques-I	2	1	1	60	30	20	50	40	200	4
5	AR20I002AR	Structure, Form and Architecture	3	0	0	20	30	0	50	0	100	3
6	AR20I003AR	Ecology and Environmental Science	3	0	0	20	30	0	50	0	100	3
7	AR20I401AR	Carpentry and Metal Workshop	0	2	0	40	0	20	0	40	100	1
8	AR20I402AR	Architectural Appreciation	0	2	0	40	0	20	0	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B.Arch 2nd Semester				Branch: AR	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	TS	PS		MSE/MTR		ESE/ESVE			
							Theory	Viva	Theory	Viva		
1	AR20I104AR	Architectural Design-II	3	3	1	100	30	20	0	50	200	6
2	AR20I105AR	Perspective and Sciography	2	1	1	60	30	20	50	40	200	4
3	AR20I106AR	History of European Architecture	3	0	0	20	30	0	50	0	100	3
4	AR20I004AR	Building Materials & Construction Techniques-II	2	1	1	60	30	20	50	40	200	4
5	AR20I005AR	Mechanics of Solids	3	0	0	20	30	0	50	0	100	3
6	AR20I006AR	Surveying & Leveling	3	0	0	20	30	0	50	0	100	3
7	AR20I403AR	Model Making Workshop	0	2	0	40	0	20	0	40	100	1
8	AR20I404AR	Vernacular Practices	0	2	0	40	0	20	0	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: BME	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	IT10I025IT	Data Structure	3	0	0	20	30	-	50	-	100	3
6	BM10I028BM	Basic Biomedical Engineering	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	IT10I425IT	Data Structure Lab	0	0	2	40	-	20	-	40	100	1
11	BM10I428BM	Basic Biomedical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
												24

National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: BME	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	ME10I024ME	Engineering Graphics	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I424ME	Engineering Graphics Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: BT	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	IT10I025IT	Data Structure	3	0	0	20	30	-	50	-	100	3
6	BT10I026BT	Basic Bio-sciences	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	IT10I425IT	Data Structure Lab	0	0	2	40	-	20	-	40	100	1
11	BT10I426BT	Basic Bio-sciences Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: BT	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	EL10I022EL	Basic Electrical Engineering	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	EL10I422EL	Basic Electrical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: CHE	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	IT10I025IT	Data Structure	3	0	0	20	30	-	50	-	100	3
6	ME10I023ME	Engineering Mechanics	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	IT10I425IT	Data Structure Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I423ME	Engineering Mechanics Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: CHE	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	EL10I022EL	Basic Electrical Engineering	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	EL10I422EL	Basic Electrical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: CIV	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	ME10I024ME	Engineering Graphics	3	0	0	20	30	-	50	-	100	3
6	ME10I023ME	Engineering Mechanics	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	ME10I424ME	Engineering Graphics Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I423ME	Engineering Mechanics Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: CIV	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	EL10I022EL	Basic Electrical Engineering	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	EL10I422EL	Basic Electrical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: MIN	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	EL10I022EL	Basic Electrical Engineering	3	0	0	20	30	-	50	-	100	3
6	ME10I023ME	Engineering Mechanics	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	EL10I422EL	Basic Electrical Engineering Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I423ME	Engineering Mechanics Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: MIN	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	ME10I027ME	Basic Mechanical Engineering	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I427ME	Basic Mechanical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: CSE	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	ME10I024ME	Engineering Graphics	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I424ME	Engineering Graphics Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: CSE	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	IT10I025IT	Data Structure	3	0	0	20	30	-	50	-	100	3
6	EL10I022EL	Basic Electrical Engineering	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	IT10I425IT	Data Structure Lab	0	0	2	40	-	20	-	40	100	1
11	EL10I422EL	Basic Electrical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: ELE	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	EL10I022EL	Basic Electrical Engineering	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	EL10I422EL	Basic Electrical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: ELE	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	ME10I024ME	Engineering Graphics	3	0	0	20	30	-	50	-	100	3
6	ME10I027ME	Basic Mechanical Engineering	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	ME10I424ME	Engineering Graphics Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I427ME	Basic Mechanical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
											24	

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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: ECE	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	EL10I022EL	Basic Electrical Engineering	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	EL10I422EL	Basic Electrical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: ECE	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	IT10I025IT	Data Structure	3	0	0	20	30	-	50	-	100	3
6	ME10I023ME	Engineering Mechanics	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	IT10I425IT	Data Structure Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I423ME	Engineering Mechanics Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: IT	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	ME10I024ME	Engineering Graphics	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I424ME	Engineering Graphics Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: IT	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	IT10I025IT	Data Structure	3	0	0	20	30	-	50	-	100	3
6	EL10I022EL	Basic Electrical Engineering	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	IT10I425IT	Data Structure Lab	0	0	2	40	-	20	-	40	100	1
11	EL10I422EL	Basic Electrical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: ME	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	EL10I022EL	Basic Electrical Engineering	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	EL10I422EL	Basic Electrical Engineering Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: ME	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	ME10I024ME	Engineering Graphics	3	0	0	20	30	-	50	-	100	3
6	ME10I023ME	Engineering Mechanics	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	ME10I424ME	Engineering Graphics Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I423ME	Engineering Mechanics Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 1st Semester				Branch: MME	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics I	4	0	0	20	30	-	50	-	100	4
2	PH10I005PH	Physics I	3	0	0	20	30	-	50	-	100	3
3	CY10I007CY	Applied Chemistry	3	0	0	20	30	-	50	-	100	3
4	HS10I009HS	Communication Skills	3	0	0	20	30	-	50	-	100	3
5	ME10I024ME	Engineering Graphics	3	0	0	20	30	-	50	-	100	3
6	HS10I401HS	Value Education	0	0	2	40	-	20	-	40	100	1
7	CY10I402CY	Applied Chemistry Lab	0	0	2	40	-	20	-	40	100	1
8	HS10I403HS	Communication Skills Lab	0	0	2	40	-	20	-	40	100	1
9	ME10I404ME	Workshop	0	0	4	40	-	20	-	40	100	2
10	PH10I405PH	Physics I Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I424ME	Engineering Graphics Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I406HS	Yoga and Health	0	0	2	40	-	20	-	40	100	1
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							B. Tech. 2nd Semester				Branch: MME	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	MA10I001MA	Mathematics II	4	0	0	20	30	-	50	-	100	4
2	PH10I006PH	Physics II	3	0	0	20	30	-	50	-	100	3
3	CY10I008CY	Environment and Ecology	3	0	0	20	30	-	50	-	100	3
4	CS10I010CS	Computer programming	3	0	0	20	30	-	50	-	100	3
5	IT10I025IT	Data Structure	3	0	0	20	30	-	50	-	100	3
6	ME10I023ME	Engineering Mechanics	3	0	0	20	30	-	50	-	100	3
7	CS10I407CS	Computer programming Lab	0	0	2	40	-	20	-	40	100	1
8	PH10I408PH	Physics II Lab	0	0	2	40	-	20	-	40	100	1
9	CY10I409CY	Environment and Ecology Lab	0	0	2	40	-	20	-	40	100	1
10	IT10I425IT	Data Structure Lab	0	0	2	40	-	20	-	40	100	1
11	ME10I423ME	Engineering Mechanics Lab	0	0	2	40	-	20	-	40	100	1
12	HS10I410HS	NCC/NSS	0	0	2	-	-	-	-	-	-	0
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Course of Study and Scheme of Examination							MCA 1st Semester				Branch: CA	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	CA401101CA	Operating System	3	1	0	20	30	-	50	-	100	4
2	MA401002MA	Computer Oriented Numerical Analysis	3	1	0	20	30	-	50	-	100	4
3	CA401103CA	Problem Solving and Programming	3	1	0	20	30	-	50	-	100	4
4	CA401104CA	Computer System Architecture	3	1	0	20	30	-	50	-	100	4
5	HS401005HS	Professional Communication in English	2	0	4	20	30	-	50	-	100	4
6	CA401401CA	Computer Lab-101	0	0	4	40	-	20	-	40	100	2
7	CA401402CA	Computer Lab-102	0	0	4	40	-	20	-	40	100	2
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National Institute of Technology Raipur												
Course of Study and Scheme of Examination							MCA 2nd Semester				Branch: CA	
S. No.	Subject Code	Subject Name	Periods per Week			TA	Examination Scheme				Total Marks	Credits
			L	T	P		MSE/MTR		ESE/ESVE			
							Theory	Prac.	Theory	Prac.		
1	CA402101CA	Software Engineering	3	1	0	20	30	-	50	-	100	4
2	MA402002MA	Statistical Computing	3	1	0	20	30	-	50	-	100	4
3	CA402103CA	Data Structure	3	1	0	20	30	-	50	-	100	4
4	CA402104CA	Database Management System	3	1	0	20	30	-	50	-	100	4
5	CA402105CA	Theory of Computation	3	1	0	20	30	-	50	-	100	4
6	CA402401CA	Computer Lab-201	0	0	4	40	-	20	-	40	100	2
7	CA402402CA	Computer Lab-202	0	0	4	40	-	20	-	40	100	2
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