



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results for III B.Tech(R10) II Semester Regular/Supply Examinations on JUNE-2014

College: ST.MARYS GROUP OF INSTITUTIONS, CHEBROLU, GUNTUR:BJ

Htno	Subcode	Subname	Internal	External	credits
09BJ1A0314	R32034	INSTRUMENTATION & CONTROL SYSTEMS	12	29	4
09BJ1A0314	R32035	DESIGN OF MACHINE MEMBERS_II	14	9	0
09BJ1A0316	R32031	METROLOGY	11	15	0
09BJ1A0316	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	37	4
09BJ1A0411	R32043	DIGITAL SIGNAL PROCESSING	4	16	0
09BJ1A0411	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	9	28	0
09BJ1A0421	R32026	MANAGEMENT SCIENCE	10	13	0
09BJ1A0421	R32041	COMPUTER NETWORKS	5	4	0
09BJ1A0421	R32043	DIGITAL SIGNAL PROCESSING	8	28	0
09BJ1A0421	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	8	32	4
09BJ1A0423	R32042	MICROWAVE ENGINEERING	11	15	0
09BJ1A0423	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	-1	0
09BJ1A0429	R32026	MANAGEMENT SCIENCE	0	37	0
09BJ1A0429	R32041	COMPUTER NETWORKS	0	29	0
09BJ1A0429	R32042	MICROWAVE ENGINEERING	0	28	0
09BJ1A0429	R32043	DIGITAL SIGNAL PROCESSING	0	27	0
09BJ1A0429	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	4	24	0
09BJ1A0429	R32045	VLSI DESIGN	2	9	0
09BJ1A0453	R32043	DIGITAL SIGNAL PROCESSING	11	41	4
09BJ1A0453	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	14	32	4
09BJ1A0516	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	7	0
09BJ1A0526	R32026	MANAGEMENT SCIENCE	18	-1	0
09BJ1A0526	R32052	COMPUTER ARCHITECTURE	18	4	0
09BJ1A0526	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	4	-1	0
09BJ1A0526	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	-1	0
09BJ1A0526	R32057	COMPUTER NETWORKS AND UNIX LAB	24	40	2
09BJ1A0526	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	42	2
09BJ1A0531	P32051	ADVANCED OPERATING SYSTEMS	-1	18	0
09BJ1A0531	R32026	MANAGEMENT SCIENCE	0	-1	0
09BJ1A0531	R32051	ADVANCED COMPUTER NETWORKS	10	5	0
09BJ1A0531	R32052	COMPUTER ARCHITECTURE	9	3	0
09BJ1A0531	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	2	-1	0
09BJ1A0531	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	-1	0
09BJ1A0531	R32057	COMPUTER NETWORKS AND UNIX LAB	24	46	2
09BJ1A0531	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	42	2
09BJ1A0534	R32026	MANAGEMENT SCIENCE	16	14	0
09BJ1A0534	R32051	ADVANCED COMPUTER NETWORKS	16	2	0
09BJ1A0534	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	3	0
09BJ1A0544	R32026	MANAGEMENT SCIENCE	16	19	0
09BJ1A0544	R32051	ADVANCED COMPUTER NETWORKS	15	28	4
09BJ5A0201	R32021	ELECTRICAL MACHINE DESIGN	19	22	0
09BJ5A0201	R32022	POWER SYSTEM ANALYSIS	18	4	0
09BJ5A0201	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	29	4
09BJ5A0201	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	18	0

Htno	Subcode	Subname	Internal	External	credits
09BJ5A0201	R32025	POWER SEMICONDUCTOR DRIVES	20	1	0
09BJ5A0201	R32026	MANAGEMENT SCIENCE	15	33	4
09BJ5A0201	R32027	POWER ELECTRONICS LAB	22	48	2
09BJ5A0201	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
10BJ1A0205	R32022	POWER SYSTEM ANALYSIS	16	54	4
10BJ1A0209	R32022	POWER SYSTEM ANALYSIS	16	34	4
10BJ1A0209	R32025	POWER SEMICONDUCTOR DRIVES	8	35	4
10BJ1A0218	R32022	POWER SYSTEM ANALYSIS	15	27	4
10BJ1A0218	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	4	0
10BJ1A0218	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	5	0
10BJ1A0218	R32025	POWER SEMICONDUCTOR DRIVES	2	0	0
10BJ1A0218	R32026	MANAGEMENT SCIENCE	0	0	0
10BJ1A0227	R32022	POWER SYSTEM ANALYSIS	16	51	4
10BJ1A0229	R32021	ELECTRICAL MACHINE DESIGN	6	22	0
10BJ1A0231	R32021	ELECTRICAL MACHINE DESIGN	12	15	0
10BJ1A0231	R32022	POWER SYSTEM ANALYSIS	13	75	4
10BJ1A0231	R32023	UTILIZATION OF ELECTRICAL ENERGY	13	0	0
10BJ1A0233	R32021	ELECTRICAL MACHINE DESIGN	11	9	0
10BJ1A0233	R32022	POWER SYSTEM ANALYSIS	10	42	4
10BJ1A0233	R32023	UTILIZATION OF ELECTRICAL ENERGY	2	0	0
10BJ1A0233	R32024	MICROPROCESSORS AND MICROCONTROLLER	4	17	0
10BJ1A0233	R32025	POWER SEMICONDUCTOR DRIVES	0	0	0
10BJ1A0233	R32026	MANAGEMENT SCIENCE	2	4	0
10BJ1A0233	R32028	ELECTRICAL MEASUREMENTS LAB	3	30	2
10BJ1A0234	R32021	ELECTRICAL MACHINE DESIGN	5	17	0
10BJ1A0234	R32022	POWER SYSTEM ANALYSIS	12	39	4
10BJ1A0234	R32024	MICROPROCESSORS AND MICROCONTROLLER	6	18	0
10BJ1A0234	R32025	POWER SEMICONDUCTOR DRIVES	5	0	0
10BJ1A0234	R32026	MANAGEMENT SCIENCE	10	0	0
10BJ1A0237	R32021	ELECTRICAL MACHINE DESIGN	12	15	0
10BJ1A0239	R32021	ELECTRICAL MACHINE DESIGN	13	-1	0
10BJ1A0239	R32022	POWER SYSTEM ANALYSIS	14	31	4
10BJ1A0239	R32023	UTILIZATION OF ELECTRICAL ENERGY	8	0	0
10BJ1A0239	R32024	MICROPROCESSORS AND MICROCONTROLLER	4	2	0
10BJ1A0239	R32025	POWER SEMICONDUCTOR DRIVES	5	0	0
10BJ1A0239	R32026	MANAGEMENT SCIENCE	3	0	0
10BJ1A0242	R32021	ELECTRICAL MACHINE DESIGN	6	13	0
10BJ1A0242	R32022	POWER SYSTEM ANALYSIS	14	-1	0
10BJ1A0242	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	29	4
10BJ1A0242	R32025	POWER SEMICONDUCTOR DRIVES	5	0	0
10BJ1A0248	R32024	MICROPROCESSORS AND MICROCONTROLLER	5	26	0
10BJ1A0248	R32025	POWER SEMICONDUCTOR DRIVES	7	17	0
10BJ1A0305	R32037	METROLOGY & INSTRUMENTATION LAB	-1	-1	0
10BJ1A0305	R32038	HEAT TRANSFER LAB	-1	-1	0
10BJ1A0308	R32033	HEAT TRANSFER	12	33	4
10BJ1A0311	R32034	INSTRUMENTATION & CONTROL SYSTEMS	9	24	0
10BJ1A0311	R32035	DESIGN OF MACHINE MEMBERS_II	16	47	4
10BJ1A0316	R32035	DESIGN OF MACHINE MEMBERS_II	13	16	0
10BJ1A0328	R32035	DESIGN OF MACHINE MEMBERS_II	12	54	4
10BJ1A0337	R32035	DESIGN OF MACHINE MEMBERS_II	16	21	0
10BJ1A0342	R32035	DESIGN OF MACHINE MEMBERS_II	12	46	4

Htno	Subcode	Subname	Internal	External	credits
10BJ1A0406	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	43	4
10BJ1A0409	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	28	4
10BJ1A0420	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	10	38	4
10BJ1A0421	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	11	26	0
10BJ1A0421	R32045	VLSI DESIGN	16	21	0
10BJ1A0423	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	14	44	4
10BJ1A0427	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	14	28	4
10BJ1A0428	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	50	4
10BJ1A0430	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	13	32	4
10BJ1A0430	R32045	VLSI DESIGN	16	30	4
10BJ1A0431	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	50	4
10BJ1A0432	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	28	4
10BJ1A0435	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	7	54	4
10BJ1A0436	R32026	MANAGEMENT SCIENCE	15	0	0
10BJ1A0436	R32041	COMPUTER NETWORKS	7	17	0
10BJ1A0436	R32042	MICROWAVE ENGINEERING	9	22	0
10BJ1A0436	R32043	DIGITAL SIGNAL PROCESSING	10	4	0
10BJ1A0436	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	11	38	4
10BJ1A0436	R32045	VLSI DESIGN	8	0	0
10BJ1A0437	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	47	4
10BJ1A0440	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	28	4
10BJ1A0441	R32041	COMPUTER NETWORKS	15	23	0
10BJ1A0441	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	10	43	4
10BJ1A0443	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	4	26	0
10BJ1A0443	R32045	VLSI DESIGN	13	30	4
10BJ1A0444	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	39	4
10BJ1A0448	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	28	4
10BJ1A0449	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	10	54	4
10BJ1A0449	R32045	VLSI DESIGN	5	12	0
10BJ1A0450	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	39	4
10BJ1A0451	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	13	37	4
10BJ1A0452	R32042	MICROWAVE ENGINEERING	20	37	4
10BJ1A0452	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	28	4
10BJ1A0452	R32045	VLSI DESIGN	20	6	0
10BJ1A0462	R32026	MANAGEMENT SCIENCE	20	41	4
10BJ1A0462	R32041	COMPUTER NETWORKS	24	47	4
10BJ1A0462	R32042	MICROWAVE ENGINEERING	22	17	0
10BJ1A0462	R32043	DIGITAL SIGNAL PROCESSING	19	32	4
10BJ1A0462	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	47	4
10BJ1A0462	R32045	VLSI DESIGN	21	33	4
10BJ1A0462	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	48	2
10BJ1A0462	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	44	2
10BJ1A04A1	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	57	4
10BJ1A0502	R32054	UNIX PROGRAMMING	15	32	4
10BJ1A0507	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	26	4
10BJ1A0521	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	14	0
10BJ1A0524	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	12	13	0
10BJ1A0531	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	12	0
10BJ1A0535	R32052	COMPUTER ARCHITECTURE	18	32	4
10BJ1A0535	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	14	0
10BJ1A0536	R32052	COMPUTER ARCHITECTURE	15	29	4

Htno	Subcode	Subname	Internal	External	credits
10BJ1A0536	R32054	UNIX PROGRAMMING	16	32	4
10BJ1A0540	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	7	0
10BJ1A0542	R32054	UNIX PROGRAMMING	18	11	0
10BJ1A0563	R32054	UNIX PROGRAMMING	14	35	4
10BJ1A0563	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	16	0
10BJ1A0570	R32026	MANAGEMENT SCIENCE	11	8	0
10BJ1A0570	R32051	ADVANCED COMPUTER NETWORKS	12	15	0
10BJ1A0570	R32052	COMPUTER ARCHITECTURE	11	35	4
10BJ1A0570	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	18	0
10BJ1A0570	R32054	UNIX PROGRAMMING	14	24	0
10BJ1A0570	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	15	0
10BJ1A0574	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	30	4
10BJ1A0588	R32054	UNIX PROGRAMMING	12	33	4
11BJ1A0301	R32031	METROLOGY	15	37	4
11BJ1A0301	R32032	ROBOTICS	14	22	0
11BJ1A0301	R32033	HEAT TRANSFER	16	37	4
11BJ1A0301	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	36	4
11BJ1A0301	R32035	DESIGN OF MACHINE MEMBERS_II	15	10	0
11BJ1A0301	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	30	4
11BJ1A0301	R32037	METROLOGY & INSTRUMENTATION LAB	20	45	2
11BJ1A0301	R32038	HEAT TRANSFER LAB	23	47	2
11BJ1A0302	R32031	METROLOGY	14	22	0
11BJ1A0302	R32032	ROBOTICS	17	17	0
11BJ1A0302	R32033	HEAT TRANSFER	16	32	4
11BJ1A0302	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	34	4
11BJ1A0302	R32035	DESIGN OF MACHINE MEMBERS_II	15	12	0
11BJ1A0302	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	28	4
11BJ1A0302	R32037	METROLOGY & INSTRUMENTATION LAB	20	44	2
11BJ1A0302	R32038	HEAT TRANSFER LAB	23	46	2
11BJ1A0303	R32031	METROLOGY	16	43	4
11BJ1A0303	R32032	ROBOTICS	19	28	4
11BJ1A0303	R32033	HEAT TRANSFER	17	32	4
11BJ1A0303	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	22	0
11BJ1A0303	R32035	DESIGN OF MACHINE MEMBERS_II	15	34	4
11BJ1A0303	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	36	4
11BJ1A0303	R32037	METROLOGY & INSTRUMENTATION LAB	20	45	2
11BJ1A0303	R32038	HEAT TRANSFER LAB	24	47	2
11BJ1A0304	R32031	METROLOGY	14	37	4
11BJ1A0304	R32032	ROBOTICS	18	32	4
11BJ1A0304	R32033	HEAT TRANSFER	16	26	4
11BJ1A0304	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	45	4
11BJ1A0304	R32035	DESIGN OF MACHINE MEMBERS_II	20	32	4
11BJ1A0304	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	35	4
11BJ1A0304	R32037	METROLOGY & INSTRUMENTATION LAB	21	46	2
11BJ1A0304	R32038	HEAT TRANSFER LAB	25	49	2
11BJ1A0305	R32031	METROLOGY	15	15	0
11BJ1A0305	R32032	ROBOTICS	18	11	0
11BJ1A0305	R32033	HEAT TRANSFER	17	15	0
11BJ1A0305	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	7	0
11BJ1A0305	R32035	DESIGN OF MACHINE MEMBERS_II	16	0	0
11BJ1A0305	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	24	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0305	R32037	METROLOGY & INSTRUMENTATION LAB	21	48	2
11BJ1A0305	R32038	HEAT TRANSFER LAB	22	46	2
11BJ1A0306	R32037	METROLOGY & INSTRUMENTATION LAB	-1	-1	0
11BJ1A0306	R32038	HEAT TRANSFER LAB	-1	-1	0
11BJ1A0307	R32031	METROLOGY	16	15	0
11BJ1A0307	R32032	ROBOTICS	16	36	4
11BJ1A0307	R32033	HEAT TRANSFER	18	30	4
11BJ1A0307	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	30	4
11BJ1A0307	R32035	DESIGN OF MACHINE MEMBERS_II	15	16	0
11BJ1A0307	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	19	0
11BJ1A0307	R32037	METROLOGY & INSTRUMENTATION LAB	21	44	2
11BJ1A0307	R32038	HEAT TRANSFER LAB	22	47	2
11BJ1A0308	R32031	METROLOGY	15	5	0
11BJ1A0308	R32032	ROBOTICS	15	6	0
11BJ1A0308	R32033	HEAT TRANSFER	14	7	0
11BJ1A0308	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	27	4
11BJ1A0308	R32035	DESIGN OF MACHINE MEMBERS_II	16	1	0
11BJ1A0308	R32036	INDUSTRIAL ENGG. & MANAGEMENT	11	0	0
11BJ1A0308	R32037	METROLOGY & INSTRUMENTATION LAB	21	45	2
11BJ1A0308	R32038	HEAT TRANSFER LAB	20	40	2
11BJ1A0309	R32031	METROLOGY	18	30	4
11BJ1A0309	R32032	ROBOTICS	17	9	0
11BJ1A0309	R32033	HEAT TRANSFER	19	5	0
11BJ1A0309	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	30	4
11BJ1A0309	R32035	DESIGN OF MACHINE MEMBERS_II	15	30	4
11BJ1A0309	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	8	0
11BJ1A0309	R32037	METROLOGY & INSTRUMENTATION LAB	20	46	2
11BJ1A0309	R32038	HEAT TRANSFER LAB	21	46	2
11BJ1A0310	R32031	METROLOGY	16	17	0
11BJ1A0310	R32032	ROBOTICS	17	31	4
11BJ1A0310	R32033	HEAT TRANSFER	16	19	0
11BJ1A0310	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	13	0
11BJ1A0310	R32035	DESIGN OF MACHINE MEMBERS_II	15	10	0
11BJ1A0310	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	11	0
11BJ1A0310	R32037	METROLOGY & INSTRUMENTATION LAB	23	44	2
11BJ1A0310	R32038	HEAT TRANSFER LAB	23	46	2
11BJ1A0311	R32031	METROLOGY	23	33	4
11BJ1A0311	R32032	ROBOTICS	22	39	4
11BJ1A0311	R32033	HEAT TRANSFER	21	36	4
11BJ1A0311	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	16	0
11BJ1A0311	R32035	DESIGN OF MACHINE MEMBERS_II	20	26	4
11BJ1A0311	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	28	4
11BJ1A0311	R32037	METROLOGY & INSTRUMENTATION LAB	23	49	2
11BJ1A0311	R32038	HEAT TRANSFER LAB	25	50	2
11BJ1A0312	R32031	METROLOGY	17	5	0
11BJ1A0312	R32032	ROBOTICS	18	6	0
11BJ1A0312	R32033	HEAT TRANSFER	17	16	0
11BJ1A0312	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	3	0
11BJ1A0312	R32035	DESIGN OF MACHINE MEMBERS_II	16	10	0
11BJ1A0312	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	4	0
11BJ1A0312	R32037	METROLOGY & INSTRUMENTATION LAB	23	46	2

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0312	R32038	HEAT TRANSFER LAB	22	48	2
11BJ1A0313	R32031	METROLOGY	15	0	0
11BJ1A0313	R32032	ROBOTICS	16	20	0
11BJ1A0313	R32033	HEAT TRANSFER	13	13	0
11BJ1A0313	R32034	INSTRUMENTATION & CONTROL SYSTEMS	12	7	0
11BJ1A0313	R32035	DESIGN OF MACHINE MEMBERS_II	16	0	0
11BJ1A0313	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	-1	0
11BJ1A0313	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2
11BJ1A0313	R32038	HEAT TRANSFER LAB	21	45	2
11BJ1A0314	R32031	METROLOGY	21	33	4
11BJ1A0314	R32032	ROBOTICS	17	39	4
11BJ1A0314	R32033	HEAT TRANSFER	18	11	0
11BJ1A0314	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	36	4
11BJ1A0314	R32035	DESIGN OF MACHINE MEMBERS_II	21	15	0
11BJ1A0314	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	38	4
11BJ1A0314	R32037	METROLOGY & INSTRUMENTATION LAB	23	48	2
11BJ1A0314	R32038	HEAT TRANSFER LAB	23	48	2
11BJ1A0315	R32031	METROLOGY	16	20	0
11BJ1A0315	R32032	ROBOTICS	15	29	4
11BJ1A0315	R32033	HEAT TRANSFER	16	28	4
11BJ1A0315	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	29	4
11BJ1A0315	R32035	DESIGN OF MACHINE MEMBERS_II	15	46	4
11BJ1A0315	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	32	4
11BJ1A0315	R32037	METROLOGY & INSTRUMENTATION LAB	21	48	2
11BJ1A0315	R32038	HEAT TRANSFER LAB	22	46	2
11BJ1A0316	R32031	METROLOGY	16	13	0
11BJ1A0316	R32032	ROBOTICS	14	7	0
11BJ1A0316	R32033	HEAT TRANSFER	16	3	0
11BJ1A0316	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	13	0
11BJ1A0316	R32035	DESIGN OF MACHINE MEMBERS_II	12	-1	0
11BJ1A0316	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	1	0
11BJ1A0316	R32037	METROLOGY & INSTRUMENTATION LAB	22	46	2
11BJ1A0316	R32038	HEAT TRANSFER LAB	20	38	2
11BJ1A0317	R32031	METROLOGY	19	43	4
11BJ1A0317	R32032	ROBOTICS	19	46	4
11BJ1A0317	R32033	HEAT TRANSFER	17	17	0
11BJ1A0317	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	40	4
11BJ1A0317	R32035	DESIGN OF MACHINE MEMBERS_II	15	12	0
11BJ1A0317	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	34	4
11BJ1A0317	R32037	METROLOGY & INSTRUMENTATION LAB	22	47	2
11BJ1A0317	R32038	HEAT TRANSFER LAB	23	48	2
11BJ1A0318	R32031	METROLOGY	17	26	4
11BJ1A0318	R32032	ROBOTICS	17	15	0
11BJ1A0318	R32033	HEAT TRANSFER	16	33	4
11BJ1A0318	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	29	4
11BJ1A0318	R32035	DESIGN OF MACHINE MEMBERS_II	16	16	0
11BJ1A0318	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	29	4
11BJ1A0318	R32037	METROLOGY & INSTRUMENTATION LAB	22	46	2
11BJ1A0318	R32038	HEAT TRANSFER LAB	22	41	2
11BJ1A0319	R32031	METROLOGY	21	11	0
11BJ1A0319	R32032	ROBOTICS	15	20	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0319	R32033	HEAT TRANSFER	15	20	0
11BJ1A0319	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	14	0
11BJ1A0319	R32035	DESIGN OF MACHINE MEMBERS_II	15	10	0
11BJ1A0319	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	16	0
11BJ1A0319	R32037	METROLOGY & INSTRUMENTATION LAB	22	43	2
11BJ1A0319	R32038	HEAT TRANSFER LAB	22	40	2
11BJ1A0320	R32031	METROLOGY	16	11	0
11BJ1A0320	R32032	ROBOTICS	14	15	0
11BJ1A0320	R32033	HEAT TRANSFER	15	5	0
11BJ1A0320	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	17	0
11BJ1A0320	R32035	DESIGN OF MACHINE MEMBERS_II	16	13	0
11BJ1A0320	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	14	0
11BJ1A0320	R32037	METROLOGY & INSTRUMENTATION LAB	22	46	2
11BJ1A0320	R32038	HEAT TRANSFER LAB	21	44	2
11BJ1A0321	R32031	METROLOGY	17	42	4
11BJ1A0321	R32032	ROBOTICS	18	44	4
11BJ1A0321	R32033	HEAT TRANSFER	20	22	0
11BJ1A0321	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	50	4
11BJ1A0321	R32035	DESIGN OF MACHINE MEMBERS_II	19	32	4
11BJ1A0321	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	43	4
11BJ1A0321	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2
11BJ1A0321	R32038	HEAT TRANSFER LAB	23	47	2
11BJ1A0322	R32031	METROLOGY	17	13	0
11BJ1A0322	R32032	ROBOTICS	18	36	4
11BJ1A0322	R32033	HEAT TRANSFER	16	2	0
11BJ1A0322	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	14	0
11BJ1A0322	R32035	DESIGN OF MACHINE MEMBERS_II	17	7	0
11BJ1A0322	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	27	4
11BJ1A0322	R32037	METROLOGY & INSTRUMENTATION LAB	22	46	2
11BJ1A0322	R32038	HEAT TRANSFER LAB	23	46	2
11BJ1A0323	R32031	METROLOGY	14	-1	0
11BJ1A0323	R32032	ROBOTICS	15	-1	0
11BJ1A0323	R32033	HEAT TRANSFER	19	-1	0
11BJ1A0323	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	-1	0
11BJ1A0323	R32035	DESIGN OF MACHINE MEMBERS_II	16	-1	0
11BJ1A0323	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	-1	0
11BJ1A0323	R32037	METROLOGY & INSTRUMENTATION LAB	21	45	2
11BJ1A0323	R32038	HEAT TRANSFER LAB	20	42	2
11BJ1A0324	R32031	METROLOGY	17	38	4
11BJ1A0324	R32032	ROBOTICS	15	29	4
11BJ1A0324	R32033	HEAT TRANSFER	15	3	0
11BJ1A0324	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	17	0
11BJ1A0324	R32035	DESIGN OF MACHINE MEMBERS_II	12	8	0
11BJ1A0324	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	16	0
11BJ1A0324	R32037	METROLOGY & INSTRUMENTATION LAB	22	45	2
11BJ1A0324	R32038	HEAT TRANSFER LAB	21	41	2
11BJ1A0325	R32037	METROLOGY & INSTRUMENTATION LAB	-1	-1	0
11BJ1A0325	R32038	HEAT TRANSFER LAB	-1	-1	0
11BJ1A0326	R32031	METROLOGY	20	40	4
11BJ1A0326	R32032	ROBOTICS	17	29	4
11BJ1A0326	R32033	HEAT TRANSFER	17	16	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0326	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	48	4
11BJ1A0326	R32035	DESIGN OF MACHINE MEMBERS_II	17	16	0
11BJ1A0326	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	18	0
11BJ1A0326	R32037	METROLOGY & INSTRUMENTATION LAB	21	46	2
11BJ1A0326	R32038	HEAT TRANSFER LAB	23	47	2
11BJ1A0327	R32031	METROLOGY	16	11	0
11BJ1A0327	R32032	ROBOTICS	17	19	0
11BJ1A0327	R32033	HEAT TRANSFER	18	0	0
11BJ1A0327	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	0	0
11BJ1A0327	R32035	DESIGN OF MACHINE MEMBERS_II	16	9	0
11BJ1A0327	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	15	0
11BJ1A0327	R32037	METROLOGY & INSTRUMENTATION LAB	21	44	2
11BJ1A0327	R32038	HEAT TRANSFER LAB	22	46	2
11BJ1A0328	R32031	METROLOGY	18	24	0
11BJ1A0328	R32032	ROBOTICS	18	4	0
11BJ1A0328	R32033	HEAT TRANSFER	17	0	0
11BJ1A0328	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	17	0
11BJ1A0328	R32035	DESIGN OF MACHINE MEMBERS_II	16	47	4
11BJ1A0328	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	15	0
11BJ1A0328	R32037	METROLOGY & INSTRUMENTATION LAB	23	48	2
11BJ1A0328	R32038	HEAT TRANSFER LAB	23	47	2
11BJ1A0329	R32031	METROLOGY	15	41	4
11BJ1A0329	R32032	ROBOTICS	15	17	0
11BJ1A0329	R32033	HEAT TRANSFER	14	12	0
11BJ1A0329	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	32	4
11BJ1A0329	R32035	DESIGN OF MACHINE MEMBERS_II	13	27	4
11BJ1A0329	R32036	INDUSTRIAL ENGG. & MANAGEMENT	13	12	0
11BJ1A0329	R32037	METROLOGY & INSTRUMENTATION LAB	21	42	2
11BJ1A0329	R32038	HEAT TRANSFER LAB	21	44	2
11BJ1A0330	R32031	METROLOGY	17	31	4
11BJ1A0330	R32032	ROBOTICS	16	16	0
11BJ1A0330	R32033	HEAT TRANSFER	15	14	0
11BJ1A0330	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	5	0
11BJ1A0330	R32035	DESIGN OF MACHINE MEMBERS_II	18	49	4
11BJ1A0330	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	6	0
11BJ1A0330	R32037	METROLOGY & INSTRUMENTATION LAB	21	44	2
11BJ1A0330	R32038	HEAT TRANSFER LAB	23	47	2
11BJ1A0401	R32026	MANAGEMENT SCIENCE	21	38	4
11BJ1A0401	R32041	COMPUTER NETWORKS	23	47	4
11BJ1A0401	R32042	MICROWAVE ENGINEERING	23	37	4
11BJ1A0401	R32043	DIGITAL SIGNAL PROCESSING	25	53	4
11BJ1A0401	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	15	0
11BJ1A0401	R32045	VLSI DESIGN	20	37	4
11BJ1A0401	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
11BJ1A0401	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
11BJ1A0402	R32026	MANAGEMENT SCIENCE	23	35	4
11BJ1A0402	R32041	COMPUTER NETWORKS	24	31	4
11BJ1A0402	R32042	MICROWAVE ENGINEERING	25	39	4
11BJ1A0402	R32043	DIGITAL SIGNAL PROCESSING	25	33	4
11BJ1A0402	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	35	4
11BJ1A0402	R32045	VLSI DESIGN	25	43	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0402	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
11BJ1A0402	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
11BJ1A0403	R32026	MANAGEMENT SCIENCE	20	28	4
11BJ1A0403	R32041	COMPUTER NETWORKS	23	26	4
11BJ1A0403	R32042	MICROWAVE ENGINEERING	21	19	0
11BJ1A0403	R32043	DIGITAL SIGNAL PROCESSING	21	43	4
11BJ1A0403	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	27	4
11BJ1A0403	R32045	VLSI DESIGN	23	26	4
11BJ1A0403	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	48	2
11BJ1A0403	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0404	R32026	MANAGEMENT SCIENCE	23	35	4
11BJ1A0404	R32041	COMPUTER NETWORKS	25	56	4
11BJ1A0404	R32042	MICROWAVE ENGINEERING	25	37	4
11BJ1A0404	R32043	DIGITAL SIGNAL PROCESSING	24	35	4
11BJ1A0404	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	-1	0
11BJ1A0404	R32045	VLSI DESIGN	24	3	0
11BJ1A0404	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
11BJ1A0404	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
11BJ1A0405	R32026	MANAGEMENT SCIENCE	20	36	4
11BJ1A0405	R32041	COMPUTER NETWORKS	22	36	4
11BJ1A0405	R32042	MICROWAVE ENGINEERING	24	18	0
11BJ1A0405	R32043	DIGITAL SIGNAL PROCESSING	25	19	0
11BJ1A0405	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	17	0
11BJ1A0405	R32045	VLSI DESIGN	21	34	4
11BJ1A0405	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
11BJ1A0405	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
11BJ1A0406	R32026	MANAGEMENT SCIENCE	20	34	4
11BJ1A0406	R32041	COMPUTER NETWORKS	25	30	4
11BJ1A0406	R32042	MICROWAVE ENGINEERING	23	12	0
11BJ1A0406	R32043	DIGITAL SIGNAL PROCESSING	24	36	4
11BJ1A0406	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	30	4
11BJ1A0406	R32045	VLSI DESIGN	23	31	4
11BJ1A0406	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
11BJ1A0406	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	46	2
11BJ1A0407	R32026	MANAGEMENT SCIENCE	24	-1	0
11BJ1A0407	R32041	COMPUTER NETWORKS	24	50	4
11BJ1A0407	R32042	MICROWAVE ENGINEERING	24	44	4
11BJ1A0407	R32043	DIGITAL SIGNAL PROCESSING	25	75	4
11BJ1A0407	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	10	0
11BJ1A0407	R32045	VLSI DESIGN	25	-1	0
11BJ1A0407	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
11BJ1A0407	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	50	2
11BJ1A0408	R32026	MANAGEMENT SCIENCE	24	29	4
11BJ1A0408	R32041	COMPUTER NETWORKS	20	28	4
11BJ1A0408	R32042	MICROWAVE ENGINEERING	23	13	0
11BJ1A0408	R32043	DIGITAL SIGNAL PROCESSING	25	11	0
11BJ1A0408	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	6	0
11BJ1A0408	R32045	VLSI DESIGN	23	15	0
11BJ1A0408	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	48	2
11BJ1A0408	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	46	2
11BJ1A0409	R32026	MANAGEMENT SCIENCE	20	27	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0409	R32041	COMPUTER NETWORKS	24	40	4
11BJ1A0409	R32042	MICROWAVE ENGINEERING	24	40	4
11BJ1A0409	R32043	DIGITAL SIGNAL PROCESSING	25	36	4
11BJ1A0409	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	28	4
11BJ1A0409	R32045	VLSI DESIGN	25	34	4
11BJ1A0409	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
11BJ1A0409	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
11BJ1A0410	R32026	MANAGEMENT SCIENCE	21	31	4
11BJ1A0410	R32041	COMPUTER NETWORKS	22	30	4
11BJ1A0410	R32042	MICROWAVE ENGINEERING	19	31	4
11BJ1A0410	R32043	DIGITAL SIGNAL PROCESSING	17	28	4
11BJ1A0410	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	9	0
11BJ1A0410	R32045	VLSI DESIGN	21	32	4
11BJ1A0410	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	40	2
11BJ1A0410	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	40	2
11BJ1A0411	R32026	MANAGEMENT SCIENCE	21	44	4
11BJ1A0411	R32041	COMPUTER NETWORKS	23	37	4
11BJ1A0411	R32042	MICROWAVE ENGINEERING	22	42	4
11BJ1A0411	R32043	DIGITAL SIGNAL PROCESSING	24	59	4
11BJ1A0411	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	32	4
11BJ1A0411	R32045	VLSI DESIGN	24	36	4
11BJ1A0411	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
11BJ1A0411	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	46	2
11BJ1A0412	R32026	MANAGEMENT SCIENCE	22	42	4
11BJ1A0412	R32041	COMPUTER NETWORKS	24	40	4
11BJ1A0412	R32042	MICROWAVE ENGINEERING	25	29	4
11BJ1A0412	R32043	DIGITAL SIGNAL PROCESSING	25	31	4
11BJ1A0412	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	31	4
11BJ1A0412	R32045	VLSI DESIGN	24	27	4
11BJ1A0412	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	49	2
11BJ1A0412	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0413	R32026	MANAGEMENT SCIENCE	19	40	4
11BJ1A0413	R32041	COMPUTER NETWORKS	19	32	4
11BJ1A0413	R32042	MICROWAVE ENGINEERING	21	13	0
11BJ1A0413	R32043	DIGITAL SIGNAL PROCESSING	23	4	0
11BJ1A0413	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	1	0
11BJ1A0413	R32045	VLSI DESIGN	19	2	0
11BJ1A0413	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
11BJ1A0413	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2
11BJ1A0414	R32026	MANAGEMENT SCIENCE	18	39	4
11BJ1A0414	R32041	COMPUTER NETWORKS	19	12	0
11BJ1A0414	R32042	MICROWAVE ENGINEERING	19	14	0
11BJ1A0414	R32043	DIGITAL SIGNAL PROCESSING	21	38	4
11BJ1A0414	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	39	4
11BJ1A0414	R32045	VLSI DESIGN	20	29	4
11BJ1A0414	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
11BJ1A0414	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	48	2
11BJ1A0415	R32026	MANAGEMENT SCIENCE	17	48	4
11BJ1A0415	R32041	COMPUTER NETWORKS	20	40	4
11BJ1A0415	R32042	MICROWAVE ENGINEERING	24	30	4
11BJ1A0415	R32043	DIGITAL SIGNAL PROCESSING	23	55	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0415	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	30	4
11BJ1A0415	R32045	VLSI DESIGN	23	31	4
11BJ1A0415	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
11BJ1A0415	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0416	R32026	MANAGEMENT SCIENCE	21	48	4
11BJ1A0416	R32041	COMPUTER NETWORKS	19	37	4
11BJ1A0416	R32042	MICROWAVE ENGINEERING	21	14	0
11BJ1A0416	R32043	DIGITAL SIGNAL PROCESSING	24	26	4
11BJ1A0416	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	30	4
11BJ1A0416	R32045	VLSI DESIGN	23	29	4
11BJ1A0416	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	43	2
11BJ1A0416	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	44	2
11BJ1A0417	R32026	MANAGEMENT SCIENCE	21	32	4
11BJ1A0417	R32041	COMPUTER NETWORKS	21	13	0
11BJ1A0417	R32042	MICROWAVE ENGINEERING	22	38	4
11BJ1A0417	R32043	DIGITAL SIGNAL PROCESSING	24	17	0
11BJ1A0417	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	0	0
11BJ1A0417	R32045	VLSI DESIGN	24	1	0
11BJ1A0417	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	43	2
11BJ1A0417	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	44	2
11BJ1A0418	R32026	MANAGEMENT SCIENCE	21	39	4
11BJ1A0418	R32041	COMPUTER NETWORKS	20	31	4
11BJ1A0418	R32042	MICROWAVE ENGINEERING	24	31	4
11BJ1A0418	R32043	DIGITAL SIGNAL PROCESSING	22	40	4
11BJ1A0418	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	-1	0
11BJ1A0418	R32045	VLSI DESIGN	23	34	4
11BJ1A0418	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	49	2
11BJ1A0418	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
11BJ1A0419	R32026	MANAGEMENT SCIENCE	17	28	4
11BJ1A0419	R32041	COMPUTER NETWORKS	22	32	4
11BJ1A0419	R32042	MICROWAVE ENGINEERING	18	9	0
11BJ1A0419	R32043	DIGITAL SIGNAL PROCESSING	20	36	4
11BJ1A0419	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	10	0
11BJ1A0419	R32045	VLSI DESIGN	24	26	4
11BJ1A0419	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
11BJ1A0419	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
11BJ1A0420	R32026	MANAGEMENT SCIENCE	22	35	4
11BJ1A0420	R32041	COMPUTER NETWORKS	24	43	4
11BJ1A0420	R32042	MICROWAVE ENGINEERING	24	16	0
11BJ1A0420	R32043	DIGITAL SIGNAL PROCESSING	24	41	4
11BJ1A0420	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	30	4
11BJ1A0420	R32045	VLSI DESIGN	22	37	4
11BJ1A0420	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
11BJ1A0420	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	46	2
11BJ1A0421	R32026	MANAGEMENT SCIENCE	22	53	4
11BJ1A0421	R32041	COMPUTER NETWORKS	25	51	4
11BJ1A0421	R32042	MICROWAVE ENGINEERING	25	18	0
11BJ1A0421	R32043	DIGITAL SIGNAL PROCESSING	25	45	4
11BJ1A0421	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	22	0
11BJ1A0421	R32045	VLSI DESIGN	24	46	4
11BJ1A0421	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0421	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
11BJ1A0422	R32026	MANAGEMENT SCIENCE	22	37	4
11BJ1A0422	R32041	COMPUTER NETWORKS	25	30	4
11BJ1A0422	R32042	MICROWAVE ENGINEERING	24	33	4
11BJ1A0422	R32043	DIGITAL SIGNAL PROCESSING	25	44	4
11BJ1A0422	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	47	4
11BJ1A0422	R32045	VLSI DESIGN	22	43	4
11BJ1A0422	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
11BJ1A0422	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0423	R32026	MANAGEMENT SCIENCE	11	26	0
11BJ1A0423	R32041	COMPUTER NETWORKS	22	1	0
11BJ1A0423	R32042	MICROWAVE ENGINEERING	9	0	0
11BJ1A0423	R32043	DIGITAL SIGNAL PROCESSING	2	1	0
11BJ1A0423	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	0	0
11BJ1A0423	R32045	VLSI DESIGN	12	0	0
11BJ1A0423	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	17	10	0
11BJ1A0423	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	15	30	2
11BJ1A0424	R32026	MANAGEMENT SCIENCE	20	17	0
11BJ1A0424	R32041	COMPUTER NETWORKS	25	36	4
11BJ1A0424	R32042	MICROWAVE ENGINEERING	24	17	0
11BJ1A0424	R32043	DIGITAL SIGNAL PROCESSING	20	31	4
11BJ1A0424	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	11	0
11BJ1A0424	R32045	VLSI DESIGN	24	15	0
11BJ1A0424	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
11BJ1A0424	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
11BJ1A0425	R32026	MANAGEMENT SCIENCE	12	18	0
11BJ1A0425	R32041	COMPUTER NETWORKS	10	19	0
11BJ1A0425	R32042	MICROWAVE ENGINEERING	16	7	0
11BJ1A0425	R32043	DIGITAL SIGNAL PROCESSING	12	2	0
11BJ1A0425	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	7	0
11BJ1A0425	R32045	VLSI DESIGN	12	1	0
11BJ1A0425	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	17	40	2
11BJ1A0425	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	17	40	2
11BJ1A0426	R32026	MANAGEMENT SCIENCE	16	31	4
11BJ1A0426	R32041	COMPUTER NETWORKS	9	13	0
11BJ1A0426	R32042	MICROWAVE ENGINEERING	17	0	0
11BJ1A0426	R32043	DIGITAL SIGNAL PROCESSING	10	19	0
11BJ1A0426	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	9	0
11BJ1A0426	R32045	VLSI DESIGN	22	2	0
11BJ1A0426	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	43	2
11BJ1A0426	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	19	40	2
11BJ1A0427	R32026	MANAGEMENT SCIENCE	13	15	0
11BJ1A0427	R32041	COMPUTER NETWORKS	22	20	0
11BJ1A0427	R32042	MICROWAVE ENGINEERING	15	1	0
11BJ1A0427	R32043	DIGITAL SIGNAL PROCESSING	7	9	0
11BJ1A0427	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	2	0
11BJ1A0427	R32045	VLSI DESIGN	12	4	0
11BJ1A0427	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	43	2
11BJ1A0427	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
11BJ1A0428	R32026	MANAGEMENT SCIENCE	19	26	4
11BJ1A0428	R32041	COMPUTER NETWORKS	22	29	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0428	R32042	MICROWAVE ENGINEERING	23	6	0
11BJ1A0428	R32043	DIGITAL SIGNAL PROCESSING	23	2	0
11BJ1A0428	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	6	0
11BJ1A0428	R32045	VLSI DESIGN	21	19	0
11BJ1A0428	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
11BJ1A0428	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	44	2
11BJ1A0429	R32026	MANAGEMENT SCIENCE	21	42	4
11BJ1A0429	R32041	COMPUTER NETWORKS	24	43	4
11BJ1A0429	R32042	MICROWAVE ENGINEERING	24	40	4
11BJ1A0429	R32043	DIGITAL SIGNAL PROCESSING	24	50	4
11BJ1A0429	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	35	4
11BJ1A0429	R32045	VLSI DESIGN	23	42	4
11BJ1A0429	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
11BJ1A0429	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	49	2
11BJ1A0430	R32026	MANAGEMENT SCIENCE	15	34	4
11BJ1A0430	R32041	COMPUTER NETWORKS	23	29	4
11BJ1A0430	R32042	MICROWAVE ENGINEERING	21	6	0
11BJ1A0430	R32043	DIGITAL SIGNAL PROCESSING	19	28	4
11BJ1A0430	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	8	0
11BJ1A0430	R32045	VLSI DESIGN	20	15	0
11BJ1A0430	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
11BJ1A0430	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0431	R32026	MANAGEMENT SCIENCE	19	28	4
11BJ1A0431	R32041	COMPUTER NETWORKS	20	39	4
11BJ1A0431	R32042	MICROWAVE ENGINEERING	19	26	4
11BJ1A0431	R32043	DIGITAL SIGNAL PROCESSING	19	31	4
11BJ1A0431	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	13	0
11BJ1A0431	R32045	VLSI DESIGN	23	34	4
11BJ1A0431	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	17	40	2
11BJ1A0431	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	17	40	2
11BJ1A0432	R32026	MANAGEMENT SCIENCE	16	0	0
11BJ1A0432	R32041	COMPUTER NETWORKS	20	0	0
11BJ1A0432	R32042	MICROWAVE ENGINEERING	0	0	0
11BJ1A0432	R32043	DIGITAL SIGNAL PROCESSING	16	0	0
11BJ1A0432	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	8	0
11BJ1A0432	R32045	VLSI DESIGN	15	0	0
11BJ1A0432	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	15	5	0
11BJ1A0432	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	15	-1	0
11BJ1A0433	R32026	MANAGEMENT SCIENCE	17	32	4
11BJ1A0433	R32041	COMPUTER NETWORKS	23	38	4
11BJ1A0433	R32042	MICROWAVE ENGINEERING	19	17	0
11BJ1A0433	R32043	DIGITAL SIGNAL PROCESSING	22	37	4
11BJ1A0433	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	33	4
11BJ1A0433	R32045	VLSI DESIGN	21	45	4
11BJ1A0433	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
11BJ1A0433	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0434	R32026	MANAGEMENT SCIENCE	20	35	4
11BJ1A0434	R32041	COMPUTER NETWORKS	22	29	4
11BJ1A0434	R32042	MICROWAVE ENGINEERING	22	27	4
11BJ1A0434	R32043	DIGITAL SIGNAL PROCESSING	23	43	4
11BJ1A0434	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	33	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0434	R32045	VLSI DESIGN	22	29	4
11BJ1A0434	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
11BJ1A0434	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	48	2
11BJ1A0435	R32026	MANAGEMENT SCIENCE	20	30	4
11BJ1A0435	R32041	COMPUTER NETWORKS	16	39	4
11BJ1A0435	R32042	MICROWAVE ENGINEERING	19	22	0
11BJ1A0435	R32043	DIGITAL SIGNAL PROCESSING	20	33	4
11BJ1A0435	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	23	14	0
11BJ1A0435	R32045	VLSI DESIGN	23	46	4
11BJ1A0435	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
11BJ1A0435	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
11BJ1A0436	R32026	MANAGEMENT SCIENCE	0	-1	0
11BJ1A0436	R32041	COMPUTER NETWORKS	0	-1	0
11BJ1A0436	R32042	MICROWAVE ENGINEERING	0	-1	0
11BJ1A0436	R32043	DIGITAL SIGNAL PROCESSING	0	-1	0
11BJ1A0436	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	0	-1	0
11BJ1A0436	R32045	VLSI DESIGN	0	-1	0
11BJ1A0436	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	-1	0
11BJ1A0436	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	12	-1	0
11BJ1A0437	R32026	MANAGEMENT SCIENCE	21	38	4
11BJ1A0437	R32041	COMPUTER NETWORKS	23	35	4
11BJ1A0437	R32042	MICROWAVE ENGINEERING	21	18	0
11BJ1A0437	R32043	DIGITAL SIGNAL PROCESSING	23	34	4
11BJ1A0437	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	25	33	4
11BJ1A0437	R32045	VLSI DESIGN	23	2	0
11BJ1A0437	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	49	2
11BJ1A0437	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	44	2
11BJ1A0438	R32026	MANAGEMENT SCIENCE	18	16	0
11BJ1A0438	R32041	COMPUTER NETWORKS	22	31	4
11BJ1A0438	R32042	MICROWAVE ENGINEERING	23	8	0
11BJ1A0438	R32043	DIGITAL SIGNAL PROCESSING	21	4	0
11BJ1A0438	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	22	14	0
11BJ1A0438	R32045	VLSI DESIGN	19	0	0
11BJ1A0438	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
11BJ1A0438	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	44	2
11BJ1A0439	R32026	MANAGEMENT SCIENCE	13	37	4
11BJ1A0439	R32041	COMPUTER NETWORKS	19	23	0
11BJ1A0439	R32042	MICROWAVE ENGINEERING	17	11	0
11BJ1A0439	R32043	DIGITAL SIGNAL PROCESSING	16	31	4
11BJ1A0439	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	22	13	0
11BJ1A0439	R32045	VLSI DESIGN	24	46	4
11BJ1A0439	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	44	2
11BJ1A0439	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	42	2
11BJ1A0441	R32026	MANAGEMENT SCIENCE	19	28	4
11BJ1A0441	R32041	COMPUTER NETWORKS	21	27	4
11BJ1A0441	R32042	MICROWAVE ENGINEERING	22	13	0
11BJ1A0441	R32043	DIGITAL SIGNAL PROCESSING	19	21	0
11BJ1A0441	R32044	MICROPROCESSORS AND MICROCONTROLLERSSS	20	27	4
11BJ1A0441	R32045	VLSI DESIGN	22	0	0
11BJ1A0441	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	44	2
11BJ1A0441	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0442	R32026	MANAGEMENT SCIENCE	16	27	4
11BJ1A0442	R32041	COMPUTER NETWORKS	22	35	4
11BJ1A0442	R32042	MICROWAVE ENGINEERING	21	38	4
11BJ1A0442	R32043	DIGITAL SIGNAL PROCESSING	22	37	4
11BJ1A0442	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	35	4
11BJ1A0442	R32045	VLSI DESIGN	21	-1	0
11BJ1A0442	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	48	2
11BJ1A0442	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	43	2
11BJ1A0443	R32026	MANAGEMENT SCIENCE	17	32	4
11BJ1A0443	R32041	COMPUTER NETWORKS	18	10	0
11BJ1A0443	R32042	MICROWAVE ENGINEERING	22	2	0
11BJ1A0443	R32043	DIGITAL SIGNAL PROCESSING	18	4	0
11BJ1A0443	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	0	0
11BJ1A0443	R32045	VLSI DESIGN	18	0	0
11BJ1A0443	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	40	2
11BJ1A0443	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	19	40	2
11BJ1A0444	R32026	MANAGEMENT SCIENCE	19	43	4
11BJ1A0444	R32041	COMPUTER NETWORKS	23	43	4
11BJ1A0444	R32042	MICROWAVE ENGINEERING	23	54	4
11BJ1A0444	R32043	DIGITAL SIGNAL PROCESSING	22	41	4
11BJ1A0444	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	30	4
11BJ1A0444	R32045	VLSI DESIGN	21	39	4
11BJ1A0444	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	49	2
11BJ1A0444	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0445	R32026	MANAGEMENT SCIENCE	19	36	4
11BJ1A0445	R32041	COMPUTER NETWORKS	23	28	4
11BJ1A0445	R32042	MICROWAVE ENGINEERING	21	10	0
11BJ1A0445	R32043	DIGITAL SIGNAL PROCESSING	20	34	4
11BJ1A0445	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	12	0
11BJ1A0445	R32045	VLSI DESIGN	22	14	0
11BJ1A0445	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	44	2
11BJ1A0445	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	42	2
11BJ1A0446	R32026	MANAGEMENT SCIENCE	18	30	4
11BJ1A0446	R32041	COMPUTER NETWORKS	22	29	4
11BJ1A0446	R32042	MICROWAVE ENGINEERING	22	19	0
11BJ1A0446	R32043	DIGITAL SIGNAL PROCESSING	22	16	0
11BJ1A0446	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	18	0
11BJ1A0446	R32045	VLSI DESIGN	21	36	4
11BJ1A0446	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
11BJ1A0446	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
11BJ1A0447	R32026	MANAGEMENT SCIENCE	17	37	4
11BJ1A0447	R32041	COMPUTER NETWORKS	22	30	4
11BJ1A0447	R32042	MICROWAVE ENGINEERING	21	31	4
11BJ1A0447	R32043	DIGITAL SIGNAL PROCESSING	23	40	4
11BJ1A0447	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	41	4
11BJ1A0447	R32045	VLSI DESIGN	23	31	4
11BJ1A0447	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
11BJ1A0447	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
11BJ1A0449	R32026	MANAGEMENT SCIENCE	17	31	4
11BJ1A0449	R32041	COMPUTER NETWORKS	19	27	4
11BJ1A0449	R32042	MICROWAVE ENGINEERING	18	10	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0449	R32043	DIGITAL SIGNAL PROCESSING	19	21	0
11BJ1A0449	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	11	0
11BJ1A0449	R32045	VLSI DESIGN	21	35	4
11BJ1A0449	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
11BJ1A0449	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0450	R32026	MANAGEMENT SCIENCE	18	33	4
11BJ1A0450	R32041	COMPUTER NETWORKS	22	38	4
11BJ1A0450	R32042	MICROWAVE ENGINEERING	20	10	0
11BJ1A0450	R32043	DIGITAL SIGNAL PROCESSING	21	49	4
11BJ1A0450	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	4	0
11BJ1A0450	R32045	VLSI DESIGN	22	33	4
11BJ1A0450	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
11BJ1A0450	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0451	R32026	MANAGEMENT SCIENCE	9	10	0
11BJ1A0451	R32041	COMPUTER NETWORKS	9	2	0
11BJ1A0451	R32042	MICROWAVE ENGINEERING	18	2	0
11BJ1A0451	R32043	DIGITAL SIGNAL PROCESSING	19	5	0
11BJ1A0451	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	1	0
11BJ1A0451	R32045	VLSI DESIGN	15	0	0
11BJ1A0451	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	41	2
11BJ1A0451	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
11BJ1A0452	R32026	MANAGEMENT SCIENCE	15	29	4
11BJ1A0452	R32041	COMPUTER NETWORKS	22	29	4
11BJ1A0452	R32042	MICROWAVE ENGINEERING	21	31	4
11BJ1A0452	R32043	DIGITAL SIGNAL PROCESSING	24	40	4
11BJ1A0452	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	31	4
11BJ1A0452	R32045	VLSI DESIGN	24	31	4
11BJ1A0452	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
11BJ1A0452	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0453	R32026	MANAGEMENT SCIENCE	17	28	4
11BJ1A0453	R32041	COMPUTER NETWORKS	22	34	4
11BJ1A0453	R32042	MICROWAVE ENGINEERING	19	15	0
11BJ1A0453	R32043	DIGITAL SIGNAL PROCESSING	20	34	4
11BJ1A0453	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	13	0
11BJ1A0453	R32045	VLSI DESIGN	20	19	0
11BJ1A0453	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
11BJ1A0453	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0454	R32026	MANAGEMENT SCIENCE	11	-1	0
11BJ1A0454	R32041	COMPUTER NETWORKS	8	-1	0
11BJ1A0454	R32042	MICROWAVE ENGINEERING	19	-1	0
11BJ1A0454	R32043	DIGITAL SIGNAL PROCESSING	12	-1	0
11BJ1A0454	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	-1	0
11BJ1A0454	R32045	VLSI DESIGN	18	-1	0
11BJ1A0454	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	15	-1	0
11BJ1A0454	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	15	-1	0
11BJ1A0455	R32026	MANAGEMENT SCIENCE	19	33	4
11BJ1A0455	R32041	COMPUTER NETWORKS	21	41	4
11BJ1A0455	R32042	MICROWAVE ENGINEERING	22	37	4
11BJ1A0455	R32043	DIGITAL SIGNAL PROCESSING	20	18	0
11BJ1A0455	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	32	4
11BJ1A0455	R32045	VLSI DESIGN	22	34	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0455	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
11BJ1A0455	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
11BJ1A0456	R32026	MANAGEMENT SCIENCE	18	31	4
11BJ1A0456	R32041	COMPUTER NETWORKS	15	29	4
11BJ1A0456	R32042	MICROWAVE ENGINEERING	20	11	0
11BJ1A0456	R32043	DIGITAL SIGNAL PROCESSING	19	37	4
11BJ1A0456	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	29	4
11BJ1A0456	R32045	VLSI DESIGN	18	35	4
11BJ1A0456	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
11BJ1A0456	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	44	2
11BJ1A0457	R32026	MANAGEMENT SCIENCE	18	37	4
11BJ1A0457	R32041	COMPUTER NETWORKS	23	36	4
11BJ1A0457	R32042	MICROWAVE ENGINEERING	23	29	4
11BJ1A0457	R32043	DIGITAL SIGNAL PROCESSING	22	53	4
11BJ1A0457	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	28	4
11BJ1A0457	R32045	VLSI DESIGN	23	38	4
11BJ1A0457	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
11BJ1A0457	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
11BJ1A0458	R32026	MANAGEMENT SCIENCE	18	35	4
11BJ1A0458	R32041	COMPUTER NETWORKS	24	13	0
11BJ1A0458	R32042	MICROWAVE ENGINEERING	25	2	0
11BJ1A0458	R32043	DIGITAL SIGNAL PROCESSING	21	51	4
11BJ1A0458	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	31	4
11BJ1A0458	R32045	VLSI DESIGN	25	18	0
11BJ1A0458	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	46	2
11BJ1A0458	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	40	2
11BJ1A0459	R32026	MANAGEMENT SCIENCE	22	40	4
11BJ1A0459	R32041	COMPUTER NETWORKS	25	46	4
11BJ1A0459	R32042	MICROWAVE ENGINEERING	25	35	4
11BJ1A0459	R32043	DIGITAL SIGNAL PROCESSING	23	39	4
11BJ1A0459	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	43	4
11BJ1A0459	R32045	VLSI DESIGN	23	60	4
11BJ1A0459	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
11BJ1A0459	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	50	2
11BJ1A0460	R32026	MANAGEMENT SCIENCE	16	36	4
11BJ1A0460	R32041	COMPUTER NETWORKS	23	33	4
11BJ1A0460	R32042	MICROWAVE ENGINEERING	24	31	4
11BJ1A0460	R32043	DIGITAL SIGNAL PROCESSING	24	43	4
11BJ1A0460	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	37	4
11BJ1A0460	R32045	VLSI DESIGN	22	38	4
11BJ1A0460	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
11BJ1A0460	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
11BJ1A0461	R32026	MANAGEMENT SCIENCE	17	39	4
11BJ1A0461	R32041	COMPUTER NETWORKS	25	39	4
11BJ1A0461	R32042	MICROWAVE ENGINEERING	24	44	4
11BJ1A0461	R32043	DIGITAL SIGNAL PROCESSING	21	55	4
11BJ1A0461	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	28	4
11BJ1A0461	R32045	VLSI DESIGN	23	26	4
11BJ1A0461	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
11BJ1A0461	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
11BJ1A0462	R32026	MANAGEMENT SCIENCE	20	41	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0462	R32041	COMPUTER NETWORKS	23	39	4
11BJ1A0462	R32042	MICROWAVE ENGINEERING	23	17	0
11BJ1A0462	R32043	DIGITAL SIGNAL PROCESSING	24	50	4
11BJ1A0462	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	30	4
11BJ1A0462	R32045	VLSI DESIGN	24	29	4
11BJ1A0462	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
11BJ1A0462	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	49	2
11BJ1A0463	R32026	MANAGEMENT SCIENCE	20	32	4
11BJ1A0463	R32041	COMPUTER NETWORKS	23	41	4
11BJ1A0463	R32042	MICROWAVE ENGINEERING	23	15	0
11BJ1A0463	R32043	DIGITAL SIGNAL PROCESSING	22	35	4
11BJ1A0463	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	28	4
11BJ1A0463	R32045	VLSI DESIGN	24	50	4
11BJ1A0463	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
11BJ1A0463	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	46	2
11BJ1A0464	R32026	MANAGEMENT SCIENCE	-1	-1	0
11BJ1A0464	R32041	COMPUTER NETWORKS	-1	-1	0
11BJ1A0464	R32042	MICROWAVE ENGINEERING	-1	-1	0
11BJ1A0464	R32043	DIGITAL SIGNAL PROCESSING	-1	-1	0
11BJ1A0464	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	-1	-1	0
11BJ1A0464	R32045	VLSI DESIGN	-1	-1	0
11BJ1A0464	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	-1	-1	0
11BJ1A0464	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	-1	-1	0
11BJ1A0465	R32026	MANAGEMENT SCIENCE	23	42	4
11BJ1A0465	R32041	COMPUTER NETWORKS	23	43	4
11BJ1A0465	R32042	MICROWAVE ENGINEERING	21	42	4
11BJ1A0465	R32043	DIGITAL SIGNAL PROCESSING	23	63	4
11BJ1A0465	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	29	4
11BJ1A0465	R32045	VLSI DESIGN	21	38	4
11BJ1A0465	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	15	47	2
11BJ1A0465	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	48	2
11BJ1A0466	R32026	MANAGEMENT SCIENCE	18	32	4
11BJ1A0466	R32041	COMPUTER NETWORKS	22	13	0
11BJ1A0466	R32042	MICROWAVE ENGINEERING	19	0	0
11BJ1A0466	R32043	DIGITAL SIGNAL PROCESSING	17	11	0
11BJ1A0466	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	16	0
11BJ1A0466	R32045	VLSI DESIGN	16	3	0
11BJ1A0466	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	15	40	2
11BJ1A0466	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	15	30	2
11BJ1A0467	R32026	MANAGEMENT SCIENCE	13	18	0
11BJ1A0467	R32041	COMPUTER NETWORKS	18	8	0
11BJ1A0467	R32042	MICROWAVE ENGINEERING	16	1	0
11BJ1A0467	R32043	DIGITAL SIGNAL PROCESSING	18	0	0
11BJ1A0467	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	12	0
11BJ1A0467	R32045	VLSI DESIGN	14	16	0
11BJ1A0467	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	5	0
11BJ1A0467	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	15	-1	0
11BJ1A0468	R32026	MANAGEMENT SCIENCE	17	28	4
11BJ1A0468	R32041	COMPUTER NETWORKS	22	17	0
11BJ1A0468	R32042	MICROWAVE ENGINEERING	20	2	0
11BJ1A0468	R32043	DIGITAL SIGNAL PROCESSING	8	28	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0468	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	2	0
11BJ1A0468	R32045	VLSI DESIGN	20	1	0
11BJ1A0468	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	41	2
11BJ1A0468	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	15	40	2
11BJ1A0469	R32026	MANAGEMENT SCIENCE	21	39	4
11BJ1A0469	R32041	COMPUTER NETWORKS	19	39	4
11BJ1A0469	R32042	MICROWAVE ENGINEERING	23	32	4
11BJ1A0469	R32043	DIGITAL SIGNAL PROCESSING	20	56	4
11BJ1A0469	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	28	4
11BJ1A0469	R32045	VLSI DESIGN	21	32	4
11BJ1A0469	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	48	2
11BJ1A0469	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	20	47	2
11BJ1A0471	R32026	MANAGEMENT SCIENCE	16	32	4
11BJ1A0471	R32041	COMPUTER NETWORKS	19	31	4
11BJ1A0471	R32042	MICROWAVE ENGINEERING	19	17	0
11BJ1A0471	R32043	DIGITAL SIGNAL PROCESSING	9	5	0
11BJ1A0471	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	2	0
11BJ1A0471	R32045	VLSI DESIGN	16	4	0
11BJ1A0471	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	45	2
11BJ1A0471	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
11BJ1A0472	R32026	MANAGEMENT SCIENCE	12	38	4
11BJ1A0472	R32041	COMPUTER NETWORKS	22	29	4
11BJ1A0472	R32042	MICROWAVE ENGINEERING	22	33	4
11BJ1A0472	R32043	DIGITAL SIGNAL PROCESSING	23	14	0
11BJ1A0472	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	10	0
11BJ1A0472	R32045	VLSI DESIGN	24	32	4
11BJ1A0472	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
11BJ1A0472	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	44	2
11BJ1A0501	R32026	MANAGEMENT SCIENCE	23	47	4
11BJ1A0501	R32051	ADVANCED COMPUTER NETWORKS	21	51	4
11BJ1A0501	R32052	COMPUTER ARCHITECTURE	21	34	4
11BJ1A0501	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	27	4
11BJ1A0501	R32054	UNIX PROGRAMMING	24	51	4
11BJ1A0501	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	21	0
11BJ1A0501	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0501	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	48	2
11BJ1A0502	R32026	MANAGEMENT SCIENCE	25	33	4
11BJ1A0502	R32051	ADVANCED COMPUTER NETWORKS	19	49	4
11BJ1A0502	R32052	COMPUTER ARCHITECTURE	23	40	4
11BJ1A0502	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	28	4
11BJ1A0502	R32054	UNIX PROGRAMMING	24	-1	0
11BJ1A0502	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	39	4
11BJ1A0502	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0502	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
11BJ1A0503	R32026	MANAGEMENT SCIENCE	25	39	4
11BJ1A0503	R32051	ADVANCED COMPUTER NETWORKS	19	26	4
11BJ1A0503	R32052	COMPUTER ARCHITECTURE	24	32	4
11BJ1A0503	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	28	4
11BJ1A0503	R32054	UNIX PROGRAMMING	24	32	4
11BJ1A0503	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	49	4
11BJ1A0503	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0503	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	47	2
11BJ1A0504	R32026	MANAGEMENT SCIENCE	25	28	4
11BJ1A0504	R32051	ADVANCED COMPUTER NETWORKS	19	38	4
11BJ1A0504	R32052	COMPUTER ARCHITECTURE	23	35	4
11BJ1A0504	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	36	4
11BJ1A0504	R32054	UNIX PROGRAMMING	24	35	4
11BJ1A0504	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	37	4
11BJ1A0504	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0504	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	48	2
11BJ1A0505	R32026	MANAGEMENT SCIENCE	25	42	4
11BJ1A0505	R32051	ADVANCED COMPUTER NETWORKS	24	50	4
11BJ1A0505	R32052	COMPUTER ARCHITECTURE	24	41	4
11BJ1A0505	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	32	4
11BJ1A0505	R32054	UNIX PROGRAMMING	24	43	4
11BJ1A0505	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	48	4
11BJ1A0505	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0505	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	49	2
11BJ1A0506	R32026	MANAGEMENT SCIENCE	25	30	4
11BJ1A0506	R32051	ADVANCED COMPUTER NETWORKS	25	51	4
11BJ1A0506	R32052	COMPUTER ARCHITECTURE	24	43	4
11BJ1A0506	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	28	4
11BJ1A0506	R32054	UNIX PROGRAMMING	25	29	4
11BJ1A0506	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	32	4
11BJ1A0506	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0506	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	48	2
11BJ1A0507	R32026	MANAGEMENT SCIENCE	18	38	4
11BJ1A0507	R32051	ADVANCED COMPUTER NETWORKS	22	22	0
11BJ1A0507	R32052	COMPUTER ARCHITECTURE	21	33	4
11BJ1A0507	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	27	4
11BJ1A0507	R32054	UNIX PROGRAMMING	19	20	0
11BJ1A0507	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	17	0
11BJ1A0507	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0507	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
11BJ1A0508	R32026	MANAGEMENT SCIENCE	25	26	4
11BJ1A0508	R32051	ADVANCED COMPUTER NETWORKS	20	28	4
11BJ1A0508	R32052	COMPUTER ARCHITECTURE	19	15	0
11BJ1A0508	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	27	4
11BJ1A0508	R32054	UNIX PROGRAMMING	19	16	0
11BJ1A0508	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	26	4
11BJ1A0508	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0508	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
11BJ1A0509	R32026	MANAGEMENT SCIENCE	23	46	4
11BJ1A0509	R32051	ADVANCED COMPUTER NETWORKS	21	39	4
11BJ1A0509	R32052	COMPUTER ARCHITECTURE	23	37	4
11BJ1A0509	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	43	4
11BJ1A0509	R32054	UNIX PROGRAMMING	21	53	4
11BJ1A0509	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	42	4
11BJ1A0509	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0509	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
11BJ1A0510	R32026	MANAGEMENT SCIENCE	24	28	4
11BJ1A0510	R32051	ADVANCED COMPUTER NETWORKS	19	49	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0510	R32052	COMPUTER ARCHITECTURE	21	39	4
11BJ1A0510	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	27	4
11BJ1A0510	R32054	UNIX PROGRAMMING	23	39	4
11BJ1A0510	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	31	4
11BJ1A0510	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0510	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	49	2
11BJ1A0511	R32026	MANAGEMENT SCIENCE	24	41	4
11BJ1A0511	R32051	ADVANCED COMPUTER NETWORKS	22	10	0
11BJ1A0511	R32052	COMPUTER ARCHITECTURE	23	27	4
11BJ1A0511	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	18	0
11BJ1A0511	R32054	UNIX PROGRAMMING	22	27	4
11BJ1A0511	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	40	4
11BJ1A0511	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0511	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	47	2
11BJ1A0512	R32026	MANAGEMENT SCIENCE	25	36	4
11BJ1A0512	R32051	ADVANCED COMPUTER NETWORKS	21	30	4
11BJ1A0512	R32052	COMPUTER ARCHITECTURE	22	26	4
11BJ1A0512	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	38	4
11BJ1A0512	R32054	UNIX PROGRAMMING	24	16	0
11BJ1A0512	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	20	31	4
11BJ1A0512	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0512	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	49	2
11BJ1A0513	R32026	MANAGEMENT SCIENCE	22	43	4
11BJ1A0513	R32051	ADVANCED COMPUTER NETWORKS	24	34	4
11BJ1A0513	R32052	COMPUTER ARCHITECTURE	20	36	4
11BJ1A0513	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	37	4
11BJ1A0513	R32054	UNIX PROGRAMMING	24	33	4
11BJ1A0513	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	49	4
11BJ1A0513	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0513	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	49	2
11BJ1A0514	R32026	MANAGEMENT SCIENCE	24	29	4
11BJ1A0514	R32051	ADVANCED COMPUTER NETWORKS	18	41	4
11BJ1A0514	R32052	COMPUTER ARCHITECTURE	21	48	4
11BJ1A0514	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	11	0
11BJ1A0514	R32054	UNIX PROGRAMMING	23	25	0
11BJ1A0514	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	16	0
11BJ1A0514	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0514	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
11BJ1A0515	R32026	MANAGEMENT SCIENCE	19	35	4
11BJ1A0515	R32051	ADVANCED COMPUTER NETWORKS	21	16	0
11BJ1A0515	R32052	COMPUTER ARCHITECTURE	19	34	4
11BJ1A0515	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	26	4
11BJ1A0515	R32054	UNIX PROGRAMMING	20	35	4
11BJ1A0515	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	36	4
11BJ1A0515	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0515	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
11BJ1A0516	R32026	MANAGEMENT SCIENCE	22	44	4
11BJ1A0516	R32051	ADVANCED COMPUTER NETWORKS	20	39	4
11BJ1A0516	R32052	COMPUTER ARCHITECTURE	21	27	4
11BJ1A0516	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	35	4
11BJ1A0516	R32054	UNIX PROGRAMMING	25	18	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0516	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	39	4
11BJ1A0516	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0516	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	50	2
11BJ1A0517	R32026	MANAGEMENT SCIENCE	25	33	4
11BJ1A0517	R32051	ADVANCED COMPUTER NETWORKS	21	35	4
11BJ1A0517	R32052	COMPUTER ARCHITECTURE	22	34	4
11BJ1A0517	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	29	4
11BJ1A0517	R32054	UNIX PROGRAMMING	23	33	4
11BJ1A0517	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	31	4
11BJ1A0517	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0517	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
11BJ1A0518	R32026	MANAGEMENT SCIENCE	25	37	4
11BJ1A0518	R32051	ADVANCED COMPUTER NETWORKS	24	54	4
11BJ1A0518	R32052	COMPUTER ARCHITECTURE	24	44	4
11BJ1A0518	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	28	4
11BJ1A0518	R32054	UNIX PROGRAMMING	23	35	4
11BJ1A0518	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	24	18	0
11BJ1A0518	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
11BJ1A0518	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	50	2
11BJ1A0519	R32026	MANAGEMENT SCIENCE	17	29	4
11BJ1A0519	R32051	ADVANCED COMPUTER NETWORKS	15	17	0
11BJ1A0519	R32052	COMPUTER ARCHITECTURE	18	24	0
11BJ1A0519	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	16	0
11BJ1A0519	R32054	UNIX PROGRAMMING	23	29	4
11BJ1A0519	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	14	0
11BJ1A0519	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
11BJ1A0519	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	46	2
11BJ1A0520	R32026	MANAGEMENT SCIENCE	12	12	0
11BJ1A0520	R32051	ADVANCED COMPUTER NETWORKS	16	20	0
11BJ1A0520	R32052	COMPUTER ARCHITECTURE	14	1	0
11BJ1A0520	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	0	0
11BJ1A0520	R32054	UNIX PROGRAMMING	17	5	0
11BJ1A0520	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	2	0
11BJ1A0520	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
11BJ1A0520	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	44	2
11BJ1A0521	R32026	MANAGEMENT SCIENCE	17	29	4
11BJ1A0521	R32051	ADVANCED COMPUTER NETWORKS	13	16	0
11BJ1A0521	R32052	COMPUTER ARCHITECTURE	13	26	0
11BJ1A0521	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	0	0
11BJ1A0521	R32054	UNIX PROGRAMMING	17	32	4
11BJ1A0521	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	2	0
11BJ1A0521	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0521	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	45	2
11BJ1A0522	R32026	MANAGEMENT SCIENCE	13	20	0
11BJ1A0522	R32051	ADVANCED COMPUTER NETWORKS	14	32	4
11BJ1A0522	R32052	COMPUTER ARCHITECTURE	13	32	4
11BJ1A0522	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	9	3	0
11BJ1A0522	R32054	UNIX PROGRAMMING	19	21	0
11BJ1A0522	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	0	0
11BJ1A0522	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0522	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	44	2

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0523	R32026	MANAGEMENT SCIENCE	24	41	4
11BJ1A0523	R32051	ADVANCED COMPUTER NETWORKS	18	26	4
11BJ1A0523	R32052	COMPUTER ARCHITECTURE	22	48	4
11BJ1A0523	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	32	4
11BJ1A0523	R32054	UNIX PROGRAMMING	23	13	0
11BJ1A0523	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	49	4
11BJ1A0523	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0523	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	45	2
11BJ1A0524	R32026	MANAGEMENT SCIENCE	15	16	0
11BJ1A0524	R32051	ADVANCED COMPUTER NETWORKS	15	32	4
11BJ1A0524	R32052	COMPUTER ARCHITECTURE	13	43	4
11BJ1A0524	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	19	0
11BJ1A0524	R32054	UNIX PROGRAMMING	18	16	0
11BJ1A0524	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	20	0
11BJ1A0524	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0524	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
11BJ1A0525	R32026	MANAGEMENT SCIENCE	22	38	4
11BJ1A0525	R32051	ADVANCED COMPUTER NETWORKS	23	36	4
11BJ1A0525	R32052	COMPUTER ARCHITECTURE	23	37	4
11BJ1A0525	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	16	0
11BJ1A0525	R32054	UNIX PROGRAMMING	24	43	4
11BJ1A0525	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	38	4
11BJ1A0525	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0525	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	49	2
11BJ1A0526	R32026	MANAGEMENT SCIENCE	18	13	0
11BJ1A0526	R32051	ADVANCED COMPUTER NETWORKS	12	28	4
11BJ1A0526	R32052	COMPUTER ARCHITECTURE	8	12	0
11BJ1A0526	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	14	17	0
11BJ1A0526	R32054	UNIX PROGRAMMING	18	15	0
11BJ1A0526	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	0	0
11BJ1A0526	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
11BJ1A0526	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	43	2
11BJ1A0527	R32026	MANAGEMENT SCIENCE	18	28	4
11BJ1A0527	R32051	ADVANCED COMPUTER NETWORKS	16	20	0
11BJ1A0527	R32052	COMPUTER ARCHITECTURE	15	32	4
11BJ1A0527	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	10	0
11BJ1A0527	R32054	UNIX PROGRAMMING	17	9	0
11BJ1A0527	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	7	0
11BJ1A0527	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0527	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
11BJ1A0528	R32026	MANAGEMENT SCIENCE	12	18	0
11BJ1A0528	R32051	ADVANCED COMPUTER NETWORKS	10	3	0
11BJ1A0528	R32052	COMPUTER ARCHITECTURE	11	1	0
11BJ1A0528	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	11	0
11BJ1A0528	R32054	UNIX PROGRAMMING	19	0	0
11BJ1A0528	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	12	16	0
11BJ1A0528	R32057	COMPUTER NETWORKS AND UNIX LAB	22	20	2
11BJ1A0528	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	42	2
11BJ1A0529	R32026	MANAGEMENT SCIENCE	14	15	0
11BJ1A0529	R32051	ADVANCED COMPUTER NETWORKS	16	8	0
11BJ1A0529	R32052	COMPUTER ARCHITECTURE	13	6	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0529	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	5	0
11BJ1A0529	R32054	UNIX PROGRAMMING	18	10	0
11BJ1A0529	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	12	2	0
11BJ1A0529	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
11BJ1A0529	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	42	2
11BJ1A0531	R32026	MANAGEMENT SCIENCE	16	29	4
11BJ1A0531	R32051	ADVANCED COMPUTER NETWORKS	14	41	4
11BJ1A0531	R32052	COMPUTER ARCHITECTURE	13	36	4
11BJ1A0531	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	0	0
11BJ1A0531	R32054	UNIX PROGRAMMING	17	24	0
11BJ1A0531	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	16	0
11BJ1A0531	R32057	COMPUTER NETWORKS AND UNIX LAB	25	50	2
11BJ1A0531	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
11BJ1A0532	R32026	MANAGEMENT SCIENCE	17	20	0
11BJ1A0532	R32051	ADVANCED COMPUTER NETWORKS	17	15	0
11BJ1A0532	R32052	COMPUTER ARCHITECTURE	11	18	0
11BJ1A0532	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	0	0
11BJ1A0532	R32054	UNIX PROGRAMMING	19	0	0
11BJ1A0532	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	19	0
11BJ1A0532	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0532	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	24	47	2
11BJ1A0533	R32026	MANAGEMENT SCIENCE	21	28	4
11BJ1A0533	R32051	ADVANCED COMPUTER NETWORKS	16	32	4
11BJ1A0533	R32052	COMPUTER ARCHITECTURE	17	39	4
11BJ1A0533	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	27	4
11BJ1A0533	R32054	UNIX PROGRAMMING	22	11	0
11BJ1A0533	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	27	4
11BJ1A0533	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0533	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	45	2
11BJ1A0534	R32026	MANAGEMENT SCIENCE	22	11	0
11BJ1A0534	R32051	ADVANCED COMPUTER NETWORKS	15	34	4
11BJ1A0534	R32052	COMPUTER ARCHITECTURE	19	10	0
11BJ1A0534	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	27	4
11BJ1A0534	R32054	UNIX PROGRAMMING	18	4	0
11BJ1A0534	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	0	0
11BJ1A0534	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0534	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	44	2
11BJ1A0535	R32026	MANAGEMENT SCIENCE	19	8	0
11BJ1A0535	R32051	ADVANCED COMPUTER NETWORKS	16	10	0
11BJ1A0535	R32052	COMPUTER ARCHITECTURE	14	9	0
11BJ1A0535	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	0	0
11BJ1A0535	R32054	UNIX PROGRAMMING	19	1	0
11BJ1A0535	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	0	0
11BJ1A0535	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0535	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	44	2
11BJ1A0536	R32026	MANAGEMENT SCIENCE	21	29	4
11BJ1A0536	R32051	ADVANCED COMPUTER NETWORKS	21	30	4
11BJ1A0536	R32052	COMPUTER ARCHITECTURE	22	29	4
11BJ1A0536	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	6	0
11BJ1A0536	R32054	UNIX PROGRAMMING	21	14	0
11BJ1A0536	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	11	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0536	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
11BJ1A0536	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	44	2
11BJ1A0537	R32026	MANAGEMENT SCIENCE	23	36	4
11BJ1A0537	R32051	ADVANCED COMPUTER NETWORKS	17	39	4
11BJ1A0537	R32052	COMPUTER ARCHITECTURE	23	54	4
11BJ1A0537	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	33	4
11BJ1A0537	R32054	UNIX PROGRAMMING	23	15	0
11BJ1A0537	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	22	27	4
11BJ1A0537	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
11BJ1A0537	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	50	2
11BJ1A0538	R32026	MANAGEMENT SCIENCE	23	31	4
11BJ1A0538	R32051	ADVANCED COMPUTER NETWORKS	15	13	0
11BJ1A0538	R32052	COMPUTER ARCHITECTURE	21	32	4
11BJ1A0538	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	0	0
11BJ1A0538	R32054	UNIX PROGRAMMING	17	14	0
11BJ1A0538	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	31	4
11BJ1A0538	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
11BJ1A0538	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	22	44	2
11BJ1A0539	R32026	MANAGEMENT SCIENCE	13	16	0
11BJ1A0539	R32051	ADVANCED COMPUTER NETWORKS	14	9	0
11BJ1A0539	R32052	COMPUTER ARCHITECTURE	12	29	4
11BJ1A0539	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	11	0
11BJ1A0539	R32054	UNIX PROGRAMMING	20	14	0
11BJ1A0539	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	4	0	0
11BJ1A0539	R32057	COMPUTER NETWORKS AND UNIX LAB	22	44	2
11BJ1A0539	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	42	2
11BJ1A0540	R32026	MANAGEMENT SCIENCE	13	14	0
11BJ1A0540	R32051	ADVANCED COMPUTER NETWORKS	14	19	0
11BJ1A0540	R32052	COMPUTER ARCHITECTURE	13	23	0
11BJ1A0540	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	14	18	0
11BJ1A0540	R32054	UNIX PROGRAMMING	16	9	0
11BJ1A0540	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	14	0
11BJ1A0540	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0540	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	42	2
11BJ1A0541	R32026	MANAGEMENT SCIENCE	18	26	4
11BJ1A0541	R32051	ADVANCED COMPUTER NETWORKS	23	33	4
11BJ1A0541	R32052	COMPUTER ARCHITECTURE	23	15	0
11BJ1A0541	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	16	0
11BJ1A0541	R32054	UNIX PROGRAMMING	19	10	0
11BJ1A0541	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	26	4
11BJ1A0541	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0541	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
11BJ1A0542	R32026	MANAGEMENT SCIENCE	18	27	4
11BJ1A0542	R32051	ADVANCED COMPUTER NETWORKS	17	12	0
11BJ1A0542	R32052	COMPUTER ARCHITECTURE	16	24	0
11BJ1A0542	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	6	0
11BJ1A0542	R32054	UNIX PROGRAMMING	16	6	0
11BJ1A0542	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	34	4
11BJ1A0542	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0542	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	23	46	2
11BJ1A0543	R32026	MANAGEMENT SCIENCE	15	6	0

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0543	R32051	ADVANCED COMPUTER NETWORKS	16	4	0
11BJ1A0543	R32052	COMPUTER ARCHITECTURE	13	9	0
11BJ1A0543	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	10	0
11BJ1A0543	R32054	UNIX PROGRAMMING	10	3	0
11BJ1A0543	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	0	0
11BJ1A0543	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0543	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	42	2
11BJ1A0544	R32026	MANAGEMENT SCIENCE	19	28	4
11BJ1A0544	R32051	ADVANCED COMPUTER NETWORKS	13	13	0
11BJ1A0544	R32052	COMPUTER ARCHITECTURE	14	31	4
11BJ1A0544	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	30	4
11BJ1A0544	R32054	UNIX PROGRAMMING	18	4	0
11BJ1A0544	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	5	0
11BJ1A0544	R32057	COMPUTER NETWORKS AND UNIX LAB	23	46	2
11BJ1A0544	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	43	2
11NA1A0402	R32026	MANAGEMENT SCIENCE	11	0	0
11NA1A0402	R32041	COMPUTER NETWORKS	18	17	0
11NA1A0402	R32042	MICROWAVE ENGINEERING	17	0	0
11NA1A0402	R32043	DIGITAL SIGNAL PROCESSING	19	0	0
11NA1A0402	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	-1	0
11NA1A0402	R32045	VLSI DESIGN	20	0	0
11NA1A0402	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	15	35	2
11NA1A0402	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	15	40	2
12BJ5A0201	R32021	ELECTRICAL MACHINE DESIGN	18	33	4
12BJ5A0201	R32022	POWER SYSTEM ANALYSIS	18	34	4
12BJ5A0201	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	40	4
12BJ5A0201	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	33	4
12BJ5A0201	R32025	POWER SEMICONDUCTOR DRIVES	19	43	4
12BJ5A0201	R32026	MANAGEMENT SCIENCE	19	33	4
12BJ5A0201	R32027	POWER ELECTRONICS LAB	23	48	2
12BJ5A0201	R32028	ELECTRICAL MEASUREMENTS LAB	22	48	2
12BJ5A0202	R32021	ELECTRICAL MACHINE DESIGN	22	39	4
12BJ5A0202	R32022	POWER SYSTEM ANALYSIS	19	48	4
12BJ5A0202	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	14	0
12BJ5A0202	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	26	4
12BJ5A0202	R32025	POWER SEMICONDUCTOR DRIVES	19	35	4
12BJ5A0202	R32026	MANAGEMENT SCIENCE	20	28	4
12BJ5A0202	R32027	POWER ELECTRONICS LAB	24	49	2
12BJ5A0202	R32028	ELECTRICAL MEASUREMENTS LAB	23	49	2
12BJ5A0203	R32021	ELECTRICAL MACHINE DESIGN	22	22	0
12BJ5A0203	R32022	POWER SYSTEM ANALYSIS	18	35	4
12BJ5A0203	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	31	4
12BJ5A0203	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	12	0
12BJ5A0203	R32025	POWER SEMICONDUCTOR DRIVES	21	42	4
12BJ5A0203	R32026	MANAGEMENT SCIENCE	19	28	4
12BJ5A0203	R32027	POWER ELECTRONICS LAB	22	48	2
12BJ5A0203	R32028	ELECTRICAL MEASUREMENTS LAB	23	48	2
12BJ5A0204	R32021	ELECTRICAL MACHINE DESIGN	23	33	4
12BJ5A0204	R32022	POWER SYSTEM ANALYSIS	22	55	4
12BJ5A0204	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	49	4
12BJ5A0204	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	31	4

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0204	R32025	POWER SEMICONDUCTOR DRIVES	22	53	4
12BJ5A0204	R32026	MANAGEMENT SCIENCE	19	35	4
12BJ5A0204	R32027	POWER ELECTRONICS LAB	25	50	2
12BJ5A0204	R32028	ELECTRICAL MEASUREMENTS LAB	25	50	2
12BJ5A0205	R32021	ELECTRICAL MACHINE DESIGN	20	33	4
12BJ5A0205	R32022	POWER SYSTEM ANALYSIS	18	34	4
12BJ5A0205	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	39	4
12BJ5A0205	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	19	0
12BJ5A0205	R32025	POWER SEMICONDUCTOR DRIVES	17	16	0
12BJ5A0205	R32026	MANAGEMENT SCIENCE	13	39	4
12BJ5A0205	R32027	POWER ELECTRONICS LAB	21	46	2
12BJ5A0205	R32028	ELECTRICAL MEASUREMENTS LAB	22	46	2
12BJ5A0206	R32021	ELECTRICAL MACHINE DESIGN	23	12	0
12BJ5A0206	R32022	POWER SYSTEM ANALYSIS	19	1	0
12BJ5A0206	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	7	0
12BJ5A0206	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	26	4
12BJ5A0206	R32025	POWER SEMICONDUCTOR DRIVES	18	33	4
12BJ5A0206	R32026	MANAGEMENT SCIENCE	18	38	4
12BJ5A0206	R32027	POWER ELECTRONICS LAB	24	48	2
12BJ5A0206	R32028	ELECTRICAL MEASUREMENTS LAB	23	47	2
12BJ5A0207	R32021	ELECTRICAL MACHINE DESIGN	21	30	4
12BJ5A0207	R32022	POWER SYSTEM ANALYSIS	19	19	0
12BJ5A0207	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	20	0
12BJ5A0207	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	8	0
12BJ5A0207	R32025	POWER SEMICONDUCTOR DRIVES	15	20	0
12BJ5A0207	R32026	MANAGEMENT SCIENCE	16	19	0
12BJ5A0207	R32027	POWER ELECTRONICS LAB	20	43	2
12BJ5A0207	R32028	ELECTRICAL MEASUREMENTS LAB	20	43	2
12BJ5A0208	R32021	ELECTRICAL MACHINE DESIGN	19	12	0
12BJ5A0208	R32022	POWER SYSTEM ANALYSIS	17	2	0
12BJ5A0208	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	34	4
12BJ5A0208	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	2	0
12BJ5A0208	R32025	POWER SEMICONDUCTOR DRIVES	15	-1	0
12BJ5A0208	R32026	MANAGEMENT SCIENCE	16	2	0
12BJ5A0208	R32027	POWER ELECTRONICS LAB	20	46	2
12BJ5A0208	R32028	ELECTRICAL MEASUREMENTS LAB	20	45	2
12BJ5A0209	R32021	ELECTRICAL MACHINE DESIGN	24	44	4
12BJ5A0209	R32022	POWER SYSTEM ANALYSIS	20	54	4
12BJ5A0209	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	49	4
12BJ5A0209	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	44	4
12BJ5A0209	R32025	POWER SEMICONDUCTOR DRIVES	18	45	4
12BJ5A0209	R32026	MANAGEMENT SCIENCE	18	47	4
12BJ5A0209	R32027	POWER ELECTRONICS LAB	25	50	2
12BJ5A0209	R32028	ELECTRICAL MEASUREMENTS LAB	25	50	2
12BJ5A0210	R32021	ELECTRICAL MACHINE DESIGN	20	19	0
12BJ5A0210	R32022	POWER SYSTEM ANALYSIS	18	11	0
12BJ5A0210	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	3	0
12BJ5A0210	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	26	4
12BJ5A0210	R32025	POWER SEMICONDUCTOR DRIVES	18	15	0
12BJ5A0210	R32026	MANAGEMENT SCIENCE	15	33	4
12BJ5A0210	R32027	POWER ELECTRONICS LAB	20	43	2

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0210	R32028	ELECTRICAL MEASUREMENTS LAB	20	43	2
12BJ5A0211	R32021	ELECTRICAL MACHINE DESIGN	17	31	4
12BJ5A0211	R32022	POWER SYSTEM ANALYSIS	17	27	4
12BJ5A0211	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	37	4
12BJ5A0211	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	16	0
12BJ5A0211	R32025	POWER SEMICONDUCTOR DRIVES	18	47	4
12BJ5A0211	R32026	MANAGEMENT SCIENCE	18	33	4
12BJ5A0211	R32027	POWER ELECTRONICS LAB	20	43	2
12BJ5A0211	R32028	ELECTRICAL MEASUREMENTS LAB	20	43	2
12BJ5A0212	R32021	ELECTRICAL MACHINE DESIGN	23	0	0
12BJ5A0212	R32022	POWER SYSTEM ANALYSIS	22	0	0
12BJ5A0212	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	15	0
12BJ5A0212	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	3	0
12BJ5A0212	R32025	POWER SEMICONDUCTOR DRIVES	21	0	0
12BJ5A0212	R32026	MANAGEMENT SCIENCE	16	0	0
12BJ5A0212	R32027	POWER ELECTRONICS LAB	20	42	2
12BJ5A0212	R32028	ELECTRICAL MEASUREMENTS LAB	20	42	2
12BJ5A0214	R32021	ELECTRICAL MACHINE DESIGN	18	29	4
12BJ5A0214	R32022	POWER SYSTEM ANALYSIS	17	35	4
12BJ5A0214	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	38	4
12BJ5A0214	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	16	0
12BJ5A0214	R32025	POWER SEMICONDUCTOR DRIVES	17	30	4
12BJ5A0214	R32026	MANAGEMENT SCIENCE	19	38	4
12BJ5A0214	R32027	POWER ELECTRONICS LAB	24	49	2
12BJ5A0214	R32028	ELECTRICAL MEASUREMENTS LAB	24	49	2
12BJ5A0215	R32021	ELECTRICAL MACHINE DESIGN	19	16	0
12BJ5A0215	R32022	POWER SYSTEM ANALYSIS	19	0	0
12BJ5A0215	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	20	0
12BJ5A0215	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	5	0
12BJ5A0215	R32025	POWER SEMICONDUCTOR DRIVES	17	10	0
12BJ5A0215	R32026	MANAGEMENT SCIENCE	17	34	4
12BJ5A0215	R32027	POWER ELECTRONICS LAB	20	46	2
12BJ5A0215	R32028	ELECTRICAL MEASUREMENTS LAB	21	47	2
12BJ5A0216	R32021	ELECTRICAL MACHINE DESIGN	19	31	4
12BJ5A0216	R32022	POWER SYSTEM ANALYSIS	18	29	4
12BJ5A0216	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	17	0
12BJ5A0216	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	0	0
12BJ5A0216	R32025	POWER SEMICONDUCTOR DRIVES	19	21	0
12BJ5A0216	R32026	MANAGEMENT SCIENCE	16	-1	0
12BJ5A0216	R32027	POWER ELECTRONICS LAB	22	46	2
12BJ5A0216	R32028	ELECTRICAL MEASUREMENTS LAB	22	46	2
12BJ5A0217	R32021	ELECTRICAL MACHINE DESIGN	23	20	0
12BJ5A0217	R32022	POWER SYSTEM ANALYSIS	20	16	0
12BJ5A0217	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	43	4
12BJ5A0217	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	15	0
12BJ5A0217	R32025	POWER SEMICONDUCTOR DRIVES	18	15	0
12BJ5A0217	R32026	MANAGEMENT SCIENCE	21	34	4
12BJ5A0217	R32027	POWER ELECTRONICS LAB	22	46	2
12BJ5A0217	R32028	ELECTRICAL MEASUREMENTS LAB	22	46	2
12BJ5A0218	R32021	ELECTRICAL MACHINE DESIGN	19	-1	0
12BJ5A0218	R32022	POWER SYSTEM ANALYSIS	17	17	0

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0218	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	6	0
12BJ5A0218	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	1	0
12BJ5A0218	R32025	POWER SEMICONDUCTOR DRIVES	18	1	0
12BJ5A0218	R32026	MANAGEMENT SCIENCE	14	22	0
12BJ5A0218	R32027	POWER ELECTRONICS LAB	22	46	2
12BJ5A0218	R32028	ELECTRICAL MEASUREMENTS LAB	23	45	2
12BJ5A0219	R32021	ELECTRICAL MACHINE DESIGN	0	-1	0
12BJ5A0219	R32022	POWER SYSTEM ANALYSIS	0	-1	0
12BJ5A0219	R32023	UTILIZATION OF ELECTRICAL ENERGY	0	-1	0
12BJ5A0219	R32024	MICROPROCESSORS AND MICROCONTROLLER	0	-1	0
12BJ5A0219	R32025	POWER SEMICONDUCTOR DRIVES	0	-1	0
12BJ5A0219	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ5A0219	R32027	POWER ELECTRONICS LAB	-1	-1	0
12BJ5A0219	R32028	ELECTRICAL MEASUREMENTS LAB	-1	-1	0
12BJ5A0220	R32021	ELECTRICAL MACHINE DESIGN	23	30	4
12BJ5A0220	R32022	POWER SYSTEM ANALYSIS	18	33	4
12BJ5A0220	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	17	0
12BJ5A0220	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	0	0
12BJ5A0220	R32025	POWER SEMICONDUCTOR DRIVES	18	6	0
12BJ5A0220	R32026	MANAGEMENT SCIENCE	18	4	0
12BJ5A0220	R32027	POWER ELECTRONICS LAB	21	45	2
12BJ5A0220	R32028	ELECTRICAL MEASUREMENTS LAB	21	45	2
12BJ5A0221	R32021	ELECTRICAL MACHINE DESIGN	0	-1	0
12BJ5A0221	R32022	POWER SYSTEM ANALYSIS	0	-1	0
12BJ5A0221	R32023	UTILIZATION OF ELECTRICAL ENERGY	0	-1	0
12BJ5A0221	R32024	MICROPROCESSORS AND MICROCONTROLLER	0	-1	0
12BJ5A0221	R32025	POWER SEMICONDUCTOR DRIVES	0	-1	0
12BJ5A0221	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ5A0221	R32027	POWER ELECTRONICS LAB	-1	-1	0
12BJ5A0221	R32028	ELECTRICAL MEASUREMENTS LAB	-1	-1	0
12BJ5A0223	R32021	ELECTRICAL MACHINE DESIGN	2	-1	0
12BJ5A0223	R32022	POWER SYSTEM ANALYSIS	0	-1	0
12BJ5A0223	R32023	UTILIZATION OF ELECTRICAL ENERGY	0	-1	0
12BJ5A0223	R32024	MICROPROCESSORS AND MICROCONTROLLER	0	-1	0
12BJ5A0223	R32025	POWER SEMICONDUCTOR DRIVES	0	-1	0
12BJ5A0223	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ5A0223	R32027	POWER ELECTRONICS LAB	-1	-1	0
12BJ5A0223	R32028	ELECTRICAL MEASUREMENTS LAB	-1	-1	0
12BJ5A0224	R32021	ELECTRICAL MACHINE DESIGN	14	16	0
12BJ5A0224	R32022	POWER SYSTEM ANALYSIS	15	3	0
12BJ5A0224	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	0	0
12BJ5A0224	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	0	0
12BJ5A0224	R32025	POWER SEMICONDUCTOR DRIVES	15	15	0
12BJ5A0224	R32026	MANAGEMENT SCIENCE	17	32	4
12BJ5A0224	R32027	POWER ELECTRONICS LAB	20	-1	0
12BJ5A0224	R32028	ELECTRICAL MEASUREMENTS LAB	21	-1	0
12BJ5A0226	R32021	ELECTRICAL MACHINE DESIGN	24	31	4
12BJ5A0226	R32022	POWER SYSTEM ANALYSIS	16	29	4
12BJ5A0226	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	31	4
12BJ5A0226	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	16	0
12BJ5A0226	R32025	POWER SEMICONDUCTOR DRIVES	17	28	4

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0226	R32026	MANAGEMENT SCIENCE	17	8	0
12BJ5A0226	R32027	POWER ELECTRONICS LAB	24	49	2
12BJ5A0226	R32028	ELECTRICAL MEASUREMENTS LAB	24	48	2
12BJ5A0227	R32021	ELECTRICAL MACHINE DESIGN	17	20	0
12BJ5A0227	R32022	POWER SYSTEM ANALYSIS	18	40	4
12BJ5A0227	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	43	4
12BJ5A0227	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	33	4
12BJ5A0227	R32025	POWER SEMICONDUCTOR DRIVES	19	16	0
12BJ5A0227	R32026	MANAGEMENT SCIENCE	17	38	4
12BJ5A0227	R32027	POWER ELECTRONICS LAB	20	45	2
12BJ5A0227	R32028	ELECTRICAL MEASUREMENTS LAB	20	45	2
12BJ5A0302	R32031	METROLOGY	25	41	4
12BJ5A0302	R32032	ROBOTICS	23	21	0
12BJ5A0302	R32033	HEAT TRANSFER	20	19	0
12BJ5A0302	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	14	0
12BJ5A0302	R32035	DESIGN OF MACHINE MEMBERS_II	22	39	4
12BJ5A0302	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	12	0
12BJ5A0302	R32037	METROLOGY & INSTRUMENTATION LAB	23	48	2
12BJ5A0302	R32038	HEAT TRANSFER LAB	25	50	2
12BJ5A0303	R32031	METROLOGY	17	1	0
12BJ5A0303	R32032	ROBOTICS	18	2	0
12BJ5A0303	R32033	HEAT TRANSFER	20	8	0
12BJ5A0303	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	6	0
12BJ5A0303	R32035	DESIGN OF MACHINE MEMBERS_II	15	20	0
12BJ5A0303	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	2	0
12BJ5A0303	R32037	METROLOGY & INSTRUMENTATION LAB	21	42	2
12BJ5A0303	R32038	HEAT TRANSFER LAB	22	40	2
12BJ5A0401	R32026	MANAGEMENT SCIENCE	24	45	4
12BJ5A0401	R32041	COMPUTER NETWORKS	25	40	4
12BJ5A0401	R32042	MICROWAVE ENGINEERING	25	31	4
12BJ5A0401	R32043	DIGITAL SIGNAL PROCESSING	24	66	4
12BJ5A0401	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	32	4
12BJ5A0401	R32045	VLSI DESIGN	25	41	4
12BJ5A0401	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
12BJ5A0401	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	25	50	2
12BJ5A0402	R32026	MANAGEMENT SCIENCE	18	32	4
12BJ5A0402	R32041	COMPUTER NETWORKS	23	36	4
12BJ5A0402	R32042	MICROWAVE ENGINEERING	19	-1	0
12BJ5A0402	R32043	DIGITAL SIGNAL PROCESSING	18	47	4
12BJ5A0402	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	8	0
12BJ5A0402	R32045	VLSI DESIGN	20	11	0
12BJ5A0402	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
12BJ5A0402	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	47	2
12BJ5A0403	R32026	MANAGEMENT SCIENCE	12	8	0
12BJ5A0403	R32041	COMPUTER NETWORKS	22	12	0
12BJ5A0403	R32042	MICROWAVE ENGINEERING	20	4	0
12BJ5A0403	R32043	DIGITAL SIGNAL PROCESSING	22	3	0
12BJ5A0403	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	6	0
12BJ5A0403	R32045	VLSI DESIGN	21	1	0
12BJ5A0403	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
12BJ5A0403	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	45	2

Htno	Subcode	Subname	Internal	External	credits
12BJ5A0404	R32026	MANAGEMENT SCIENCE	20	32	4
12BJ5A0404	R32041	COMPUTER NETWORKS	23	17	0
12BJ5A0404	R32042	MICROWAVE ENGINEERING	20	31	4
12BJ5A0404	R32043	DIGITAL SIGNAL PROCESSING	20	45	4
12BJ5A0404	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	35	4
12BJ5A0404	R32045	VLSI DESIGN	21	39	4
12BJ5A0404	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
12BJ5A0404	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	42	2
12BJ5A0405	R32026	MANAGEMENT SCIENCE	15	-1	0
12BJ5A0405	R32041	COMPUTER NETWORKS	14	26	4
12BJ5A0405	R32042	MICROWAVE ENGINEERING	17	-1	0
12BJ5A0405	R32043	DIGITAL SIGNAL PROCESSING	17	0	0
12BJ5A0405	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	-1	0
12BJ5A0405	R32045	VLSI DESIGN	15	-1	0
12BJ5A0405	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	42	2
12BJ5A0405	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	45	2
12BJ5A0406	R32026	MANAGEMENT SCIENCE	18	32	4
12BJ5A0406	R32041	COMPUTER NETWORKS	22	7	0
12BJ5A0406	R32042	MICROWAVE ENGINEERING	24	0	0
12BJ5A0406	R32043	DIGITAL SIGNAL PROCESSING	20	8	0
12BJ5A0406	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	1	0
12BJ5A0406	R32045	VLSI DESIGN	23	4	0
12BJ5A0406	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
12BJ5A0406	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	44	2
12BJ5A0502	R32026	MANAGEMENT SCIENCE	24	26	4
12BJ5A0502	R32051	ADVANCED COMPUTER NETWORKS	22	39	4
12BJ5A0502	R32052	COMPUTER ARCHITECTURE	21	36	4
12BJ5A0502	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	25	29	4
12BJ5A0502	R32054	UNIX PROGRAMMING	23	34	4
12BJ5A0502	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	23	26	4
12BJ5A0502	R32057	COMPUTER NETWORKS AND UNIX LAB	24	48	2
12BJ5A0502	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	25	49	2
12BJ5A0503	R32026	MANAGEMENT SCIENCE	14	37	4
12BJ5A0503	R32051	ADVANCED COMPUTER NETWORKS	17	34	4
12BJ5A0503	R32052	COMPUTER ARCHITECTURE	17	32	4
12BJ5A0503	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	13	29	4
12BJ5A0503	R32054	UNIX PROGRAMMING	3	41	4
12BJ5A0503	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	13	34	4
12BJ5A0503	R32057	COMPUTER NETWORKS AND UNIX LAB	24	46	2
12BJ5A0503	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	21	42	2

Note:1)For Recounting/Revaluation/Challenge By Revaluation Apply through Online(WWW.JNTUKEXAMS.NET))

[Last Date for Recounting/Revaluation/Challenge By Revaluation: 30-07-2014]



Date:23-07-2014

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