



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Result of III B.Tech[R10,R07,R05] II Semester Supplementary Examinations Dec-2015

College: ST.MARY'S GROUP OF INSTITUTIONS, CHEBROLU, GUNTUR:BJ

Htno	Subcode	Subname	Internal	External	credits
07BJ1A1215	V3242	E-COMMERCE	18	-1	0
07BJ1A1215	V3244	DATA WAREHOUSING AND DATA MINING	15	28	4
07BJ1A1244	V3244	DATA WAREHOUSING AND DATA MINING	17	-1	0
08BJ1A0440	V3221	MICRO PROCESSORS AND INTERFACING	11	-1	0
08BJ1A0565	V3222	OPERATING SYSTEMS	7	-1	0
08BJ1A0565	V3223	COMPILER DESIGN	13	-1	0
08BJ1A0565	V3224	COMPUTER NETWORKS	12	-1	0
08BJ1A0565	V3225	INFORMATION SECURITY	12	-1	0
08BJ1A0565	V3226	ARTIFICIAL INTELLIGENCE AND NEURAL NETWORKS	8	-1	0
08BJ1A0565	V3227	OBJECT ORIENTED ANALYSIS AND DESIGN	11	-1	0
09BJ1A0314	R32035	DESIGN OF MACHINE MEMBERS_II	14	16	0
09BJ1A0316	R32031	METROLOGY	11	-1	0
09BJ1A0421	R32026	MANAGEMENT SCIENCE	10	-1	0
09BJ1A0421	R32041	COMPUTER NETWORKS	5	-1	0
09BJ1A0421	R32043	DIGITAL SIGNAL PROCESSING	8	-1	0
09BJ1A0516	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	0	0
09BJ1A0526	P32051	ADVANCED OPERATING SYSTEMS	0	26	0
09BJ1A0526	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	4	9	0
09BJ1A0534	R32026	MANAGEMENT SCIENCE	16	34	4
09BJ1A0534	R32051	ADVANCED COMPUTER NETWORKS	16	6	0
09BJ1A0534	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	0	0
09BJ1A0544	R32026	MANAGEMENT SCIENCE	16	12	0
09BJ5A0201	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	-1	0
09BJ5A0201	R32025	POWER SEMICONDUCTOR DRIVES	20	-1	0
09BJ5A0404	V3220	MICROWAVE ENGINEERING	14	-1	0
09JR1A0427	R32041	COMPUTER NETWORKS	8	-1	0
109T1A0406	R32042	MICROWAVE ENGINEERING	5	-1	0
109T1A0406	R32043	DIGITAL SIGNAL PROCESSING	8	-1	0
109T1A0406	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	11	-1	0
10BJ1A0229	R32021	ELECTRICAL MACHINE DESIGN	6	28	0
10BJ1A0248	R32024	MICROPROCESSORS AND MICROCONTROLLER	5	-1	0
10BJ1A0248	R32025	POWER SEMICONDUCTOR DRIVES	7	-1	0
10BJ1A0306	R32033	HEAT TRANSFER	12	-1	0
10BJ1A0306	R32035	DESIGN OF MACHINE MEMBERS_II	14	-1	0
10BJ1A0311	R32034	INSTRUMENTATION & CONTROL SYSTEMS	9	-1	0
10BJ1A0421	R32045	VLSI DESIGN	16	-1	0
10BJ1A0441	R32041	COMPUTER NETWORKS	15	17	0
10BJ1A0443	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	4	-1	0
10BJ1A0449	R32045	VLSI DESIGN	5	-1	0
10BJ1A0524	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	12	3	0
10BJ1A0563	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	19	1	0
10BJ1A0570	R32026	MANAGEMENT SCIENCE	11	18	0
10BJ1A0570	R32051	ADVANCED COMPUTER NETWORKS	12	3	0
10BJ1A0570	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	13	0
10BJ1A0570	R32054	UNIX PROGRAMMING	14	11	0

Htno	Subcode	Subname	Internal	External	credits
10BJ1A0570	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	4	0
11A91A0293	R32023	UTILIZATION OF ELECTRICAL ENERGY	14	-1	0
11A91A0293	R32025	POWER SEMICONDUCTOR DRIVES	15	-1	0
11BJ1A0305	R32031	METROLOGY	15	4	0
11BJ1A0305	R32033	HEAT TRANSFER	17	-1	0
11BJ1A0305	R32035	DESIGN OF MACHINE MEMBERS_II	16	31	4
11BJ1A0305	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	14	0
11BJ1A0308	R32033	HEAT TRANSFER	14	31	4
11BJ1A0308	R32036	INDUSTRIAL ENGG. & MANAGEMENT	11	-1	0
11BJ1A0309	R32033	HEAT TRANSFER	19	32	4
11BJ1A0309	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	27	4
11BJ1A0312	R32031	METROLOGY	17	2	0
11BJ1A0312	R32033	HEAT TRANSFER	17	31	4
11BJ1A0316	R32033	HEAT TRANSFER	16	10	0
11BJ1A0316	R32035	DESIGN OF MACHINE MEMBERS_II	12	-1	0
11BJ1A0320	R32032	ROBOTICS	14	1	0
11BJ1A0320	R32033	HEAT TRANSFER	15	2	0
11BJ1A0320	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	8	0
11BJ1A0324	R32033	HEAT TRANSFER	15	-1	0
11BJ1A0324	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	-1	0
11BJ1A0324	R32035	DESIGN OF MACHINE MEMBERS_II	12	-1	0
11BJ1A0324	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
11BJ1A0326	R32033	HEAT TRANSFER	17	32	4
11BJ1A0326	R32035	DESIGN OF MACHINE MEMBERS_II	17	36	4
11BJ1A0327	R32032	ROBOTICS	17	-1	0
11BJ1A0327	R32033	HEAT TRANSFER	18	-1	0
11BJ1A0327	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	-1	0
11BJ1A0327	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	-1	0
11BJ1A0417	R32045	VLSI DESIGN	24	31	4
11BJ1A0419	R32042	MICROWAVE ENGINEERING	18	-1	0
11BJ1A0423	R32026	MANAGEMENT SCIENCE	11	-1	0
11BJ1A0423	R32041	COMPUTER NETWORKS	22	-1	0
11BJ1A0423	R32042	MICROWAVE ENGINEERING	9	-1	0
11BJ1A0423	R32043	DIGITAL SIGNAL PROCESSING	2	-1	0
11BJ1A0423	R32045	VLSI DESIGN	12	-1	0
11BJ1A0426	R32041	COMPUTER NETWORKS	9	-1	0
11BJ1A0426	R32043	DIGITAL SIGNAL PROCESSING	10	-1	0
11BJ1A0426	R32045	VLSI DESIGN	22	-1	0
11BJ1A0428	R32043	DIGITAL SIGNAL PROCESSING	23	20	0
11BJ1A0432	R32026	MANAGEMENT SCIENCE	16	-1	0
11BJ1A0432	R32042	MICROWAVE ENGINEERING	0	-1	0
11BJ1A0432	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	15	40	2
11BJ1A0439	R32041	COMPUTER NETWORKS	19	-1	0
11BJ1A0443	R32041	COMPUTER NETWORKS	18	-1	0
11BJ1A0443	R32043	DIGITAL SIGNAL PROCESSING	18	-1	0
11BJ1A0443	R32045	VLSI DESIGN	18	-1	0
11BJ1A0451	R32041	COMPUTER NETWORKS	9	-1	0
11BJ1A0451	R32045	VLSI DESIGN	15	-1	0
11BJ1A0453	R32042	MICROWAVE ENGINEERING	19	0	0
11BJ1A0453	R32045	VLSI DESIGN	20	28	4

Htno	Subcode	Subname	Internal	External	credits
11BJ1A0467	R32026	MANAGEMENT SCIENCE	13	-1	0
11BJ1A0467	R32041	COMPUTER NETWORKS	18	-1	0
11BJ1A0467	R32042	MICROWAVE ENGINEERING	16	-1	0
11BJ1A0467	R32043	DIGITAL SIGNAL PROCESSING	18	-1	0
11BJ1A0467	R32045	VLSI DESIGN	14	-1	0
11BJ1A0473	R32026	MANAGEMENT SCIENCE	14	-1	0
11BJ1A0473	R32041	COMPUTER NETWORKS	0	-1	0
11BJ1A0473	R32042	MICROWAVE ENGINEERING	0	-1	0
11BJ1A0473	R32043	DIGITAL SIGNAL PROCESSING	0	-1	0
11BJ1A0473	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	0	-1	0
11BJ1A0473	R32045	VLSI DESIGN	0	-1	0
11BJ1A0473	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	35	2
11BJ1A0473	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	14	35	2
11BJ1A0522	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	9	10	0
11BJ1A0524	R32054	UNIX PROGRAMMING	18	30	4
11BJ1A0528	R32051	ADVANCED COMPUTER NETWORKS	10	-1	0
11BJ1A0528	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	-1	0
11BJ1A0535	R32051	ADVANCED COMPUTER NETWORKS	16	4	0
11BJ1A0535	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	18	0
11BJ1A0538	R32051	ADVANCED COMPUTER NETWORKS	15	8	0
11BJ1A0538	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	15	0
11BJ1A0542	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	12	0
12BJ1A0202	R32022	POWER SYSTEM ANALYSIS	20	-1	0
12BJ1A0202	R32023	UTILIZATION OF ELECTRICAL ENERGY	14	-1	0
12BJ1A0202	R32025	POWER SEMICONDUCTOR DRIVES	17	-1	0
12BJ1A0203	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	15	0
12BJ1A0203	R32025	POWER SEMICONDUCTOR DRIVES	25	32	4
12BJ1A0205	R32024	MICROPROCESSORS AND MICROCONTROLLER	22	4	0
12BJ1A0207	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	28	4
12BJ1A0207	R32025	POWER SEMICONDUCTOR DRIVES	24	31	4
12BJ1A0208	R32021	ELECTRICAL MACHINE DESIGN	15	33	4
12BJ1A0208	R32022	POWER SYSTEM ANALYSIS	18	8	0
12BJ1A0208	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	4	0
12BJ1A0208	R32025	POWER SEMICONDUCTOR DRIVES	15	10	0
12BJ1A0209	R32021	ELECTRICAL MACHINE DESIGN	12	-1	0
12BJ1A0209	R32022	POWER SYSTEM ANALYSIS	3	-1	0
12BJ1A0209	R32023	UTILIZATION OF ELECTRICAL ENERGY	0	-1	0
12BJ1A0209	R32024	MICROPROCESSORS AND MICROCONTROLLER	0	-1	0
12BJ1A0209	R32025	POWER SEMICONDUCTOR DRIVES	0	-1	0
12BJ1A0209	R32026	MANAGEMENT SCIENCE	13	-1	0
12BJ1A0209	R32027	POWER ELECTRONICS LAB	15	-1	0
12BJ1A0209	R32028	ELECTRICAL MEASUREMENTS LAB	15	-1	0
12BJ1A0210	R32021	ELECTRICAL MACHINE DESIGN	17	37	4
12BJ1A0210	R32022	POWER SYSTEM ANALYSIS	18	13	0
12BJ1A0210	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	26	4
12BJ1A0210	R32025	POWER SEMICONDUCTOR DRIVES	16	26	4
12BJ1A0211	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	12	0
12BJ1A0212	R32021	ELECTRICAL MACHINE DESIGN	19	10	0
12BJ1A0212	R32022	POWER SYSTEM ANALYSIS	17	1	0
12BJ1A0212	R32023	UTILIZATION OF ELECTRICAL ENERGY	7	38	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0212	R32024	MICROPROCESSORS AND MICROCONTROLLER	10	0	0
12BJ1A0212	R32025	POWER SEMICONDUCTOR DRIVES	14	15	0
12BJ1A0214	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	4	0
12BJ1A0216	R32022	POWER SYSTEM ANALYSIS	18	26	4
12BJ1A0216	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	38	4
12BJ1A0216	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	0	0
12BJ1A0218	R32021	ELECTRICAL MACHINE DESIGN	19	3	0
12BJ1A0218	R32022	POWER SYSTEM ANALYSIS	20	-1	0
12BJ1A0218	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	0	0
12BJ1A0218	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	-1	0
12BJ1A0218	R32025	POWER SEMICONDUCTOR DRIVES	22	-1	0
12BJ1A0218	R32026	MANAGEMENT SCIENCE	16	2	0
12BJ1A0219	R32021	ELECTRICAL MACHINE DESIGN	20	38	4
12BJ1A0219	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	31	4
12BJ1A0219	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	0	0
12BJ1A0219	R32025	POWER SEMICONDUCTOR DRIVES	14	39	4
12BJ1A0220	R32022	POWER SYSTEM ANALYSIS	17	0	0
12BJ1A0220	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	18	0
12BJ1A0220	R32024	MICROPROCESSORS AND MICROCONTROLLER	14	0	0
12BJ1A0220	R32025	POWER SEMICONDUCTOR DRIVES	20	28	4
12BJ1A0221	R32021	ELECTRICAL MACHINE DESIGN	19	33	4
12BJ1A0221	R32022	POWER SYSTEM ANALYSIS	18	31	4
12BJ1A0221	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	4	0
12BJ1A0223	R32025	POWER SEMICONDUCTOR DRIVES	23	30	4
12BJ1A0224	R32022	POWER SYSTEM ANALYSIS	22	31	4
12BJ1A0225	R32022	POWER SYSTEM ANALYSIS	20	31	4
12BJ1A0226	R32023	UTILIZATION OF ELECTRICAL ENERGY	24	19	0
12BJ1A0226	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	8	0
12BJ1A0227	R32021	ELECTRICAL MACHINE DESIGN	18	30	4
12BJ1A0227	R32022	POWER SYSTEM ANALYSIS	21	10	0
12BJ1A0227	R32023	UTILIZATION OF ELECTRICAL ENERGY	21	12	0
12BJ1A0227	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	0	0
12BJ1A0227	R32025	POWER SEMICONDUCTOR DRIVES	19	26	4
12BJ1A0227	R32026	MANAGEMENT SCIENCE	17	35	4
12BJ1A0229	R32021	ELECTRICAL MACHINE DESIGN	13	30	4
12BJ1A0229	R32022	POWER SYSTEM ANALYSIS	15	14	0
12BJ1A0229	R32023	UTILIZATION OF ELECTRICAL ENERGY	17	26	4
12BJ1A0229	R32025	POWER SEMICONDUCTOR DRIVES	15	7	0
12BJ1A0230	R32024	MICROPROCESSORS AND MICROCONTROLLER	16	6	0
12BJ1A0230	R32025	POWER SEMICONDUCTOR DRIVES	16	22	0
12BJ1A0230	R32026	MANAGEMENT SCIENCE	19	7	0
12BJ1A0232	R32022	POWER SYSTEM ANALYSIS	19	0	0
12BJ1A0232	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	8	0
12BJ1A0232	R32024	MICROPROCESSORS AND MICROCONTROLLER	21	0	0
12BJ1A0232	R32025	POWER SEMICONDUCTOR DRIVES	17	-1	0
12BJ1A0232	R32026	MANAGEMENT SCIENCE	19	-1	0
12BJ1A0236	R32021	ELECTRICAL MACHINE DESIGN	20	29	4
12BJ1A0236	R32022	POWER SYSTEM ANALYSIS	21	5	0
12BJ1A0236	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	26	4
12BJ1A0236	R32024	MICROPROCESSORS AND MICROCONTROLLER	23	5	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0236	R32025	POWER SEMICONDUCTOR DRIVES	18	26	4
12BJ1A0236	R32026	MANAGEMENT SCIENCE	20	31	4
12BJ1A0239	R32021	ELECTRICAL MACHINE DESIGN	20	40	4
12BJ1A0239	R32022	POWER SYSTEM ANALYSIS	21	29	4
12BJ1A0239	R32025	POWER SEMICONDUCTOR DRIVES	18	36	4
12BJ1A0241	R32021	ELECTRICAL MACHINE DESIGN	13	29	4
12BJ1A0241	R32022	POWER SYSTEM ANALYSIS	18	17	0
12BJ1A0241	R32023	UTILIZATION OF ELECTRICAL ENERGY	11	29	4
12BJ1A0241	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	3	0
12BJ1A0241	R32025	POWER SEMICONDUCTOR DRIVES	18	17	0
12BJ1A0241	R32026	MANAGEMENT SCIENCE	14	26	4
12BJ1A0244	R32022	POWER SYSTEM ANALYSIS	16	11	0
12BJ1A0244	R32024	MICROPROCESSORS AND MICROCONTROLLER	12	0	0
12BJ1A0244	R32025	POWER SEMICONDUCTOR DRIVES	13	13	0
12BJ1A0245	R32021	ELECTRICAL MACHINE DESIGN	24	36	4
12BJ1A0245	R32022	POWER SYSTEM ANALYSIS	19	16	0
12BJ1A0245	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	10	0
12BJ1A0245	R32025	POWER SEMICONDUCTOR DRIVES	18	34	4
12BJ1A0246	R32022	POWER SYSTEM ANALYSIS	21	8	0
12BJ1A0246	R32023	UTILIZATION OF ELECTRICAL ENERGY	18	12	0
12BJ1A0246	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	0	0
12BJ1A0246	R32025	POWER SEMICONDUCTOR DRIVES	15	20	0
12BJ1A0302	R32036	INDUSTRIAL ENGG. & MANAGEMENT	23	42	4
12BJ1A0303	R32032	ROBOTICS	22	17	0
12BJ1A0304	R32032	ROBOTICS	19	42	4
12BJ1A0304	R32033	HEAT TRANSFER	16	27	4
12BJ1A0306	R32031	METROLOGY	19	5	0
12BJ1A0306	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	26	4
12BJ1A0306	R32036	INDUSTRIAL ENGG. & MANAGEMENT	17	26	4
12BJ1A0309	R32032	ROBOTICS	24	0	0
12BJ1A0309	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	0	0
12BJ1A0309	R32035	DESIGN OF MACHINE MEMBERS_II	15	10	0
12BJ1A0309	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	0	0
12BJ1A0310	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	27	4
12BJ1A0311	R32031	METROLOGY	16	0	0
12BJ1A0311	R32032	ROBOTICS	19	29	4
12BJ1A0311	R32033	HEAT TRANSFER	18	10	0
12BJ1A0311	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	5	0
12BJ1A0311	R32035	DESIGN OF MACHINE MEMBERS_II	19	26	4
12BJ1A0312	R32031	METROLOGY	17	12	0
12BJ1A0312	R32032	ROBOTICS	20	34	4
12BJ1A0312	R32033	HEAT TRANSFER	17	7	0
12BJ1A0312	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	0	0
12BJ1A0313	R32033	HEAT TRANSFER	15	14	0
12BJ1A0313	R32034	INSTRUMENTATION & CONTROL SYSTEMS	22	-1	0
12BJ1A0313	R32035	DESIGN OF MACHINE MEMBERS_II	15	8	0
12BJ1A0316	R32031	METROLOGY	19	32	4
12BJ1A0316	R32032	ROBOTICS	22	35	4
12BJ1A0316	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	26	4
12BJ1A0316	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	27	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0319	R32031	METROLOGY	17	-1	0
12BJ1A0319	R32032	ROBOTICS	16	-1	0
12BJ1A0319	R32033	HEAT TRANSFER	14	-1	0
12BJ1A0319	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	-1	0
12BJ1A0319	R32035	DESIGN OF MACHINE MEMBERS_II	14	-1	0
12BJ1A0319	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
12BJ1A0320	R32031	METROLOGY	14	0	0
12BJ1A0320	R32032	ROBOTICS	14	14	0
12BJ1A0320	R32033	HEAT TRANSFER	15	13	0
12BJ1A0320	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	29	4
12BJ1A0320	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	8	0
12BJ1A0321	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	46	4
12BJ1A0321	R32035	DESIGN OF MACHINE MEMBERS_II	20	38	4
12BJ1A0322	R32031	METROLOGY	16	0	0
12BJ1A0322	R32032	ROBOTICS	18	1	0
12BJ1A0322	R32033	HEAT TRANSFER	14	0	0
12BJ1A0322	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	0	0
12BJ1A0322	R32035	DESIGN OF MACHINE MEMBERS_II	19	0	0
12BJ1A0322	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	1	0
12BJ1A0323	R32033	HEAT TRANSFER	17	38	4
12BJ1A0323	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	39	4
12BJ1A0326	R32036	INDUSTRIAL ENGG. & MANAGEMENT	22	32	4
12BJ1A0327	R32033	HEAT TRANSFER	15	37	4
12BJ1A0329	R32034	INSTRUMENTATION & CONTROL SYSTEMS	20	51	4
12BJ1A0329	R32035	DESIGN OF MACHINE MEMBERS_II	19	41	4
12BJ1A0330	R32033	HEAT TRANSFER	15	33	4
12BJ1A0330	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	47	4
12BJ1A0330	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	30	4
12BJ1A0331	R32032	ROBOTICS	15	18	0
12BJ1A0331	R32035	DESIGN OF MACHINE MEMBERS_II	20	40	4
12BJ1A0333	R32031	METROLOGY	15	1	0
12BJ1A0333	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	46	4
12BJ1A0333	R32035	DESIGN OF MACHINE MEMBERS_II	14	31	4
12BJ1A0334	R32031	METROLOGY	24	26	4
12BJ1A0334	R32032	ROBOTICS	22	31	4
12BJ1A0334	R32033	HEAT TRANSFER	19	26	4
12BJ1A0334	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	47	4
12BJ1A0334	R32035	DESIGN OF MACHINE MEMBERS_II	19	31	4
12BJ1A0334	R32036	INDUSTRIAL ENGG. & MANAGEMENT	24	14	0
12BJ1A0336	R32033	HEAT TRANSFER	17	36	4
12BJ1A0337	R32031	METROLOGY	18	16	0
12BJ1A0337	R32033	HEAT TRANSFER	24	38	4
12BJ1A0337	R32036	INDUSTRIAL ENGG. & MANAGEMENT	23	28	4
12BJ1A0339	R32031	METROLOGY	15	3	0
12BJ1A0339	R32032	ROBOTICS	13	19	0
12BJ1A0339	R32033	HEAT TRANSFER	15	5	0
12BJ1A0339	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	-1	0
12BJ1A0339	R32035	DESIGN OF MACHINE MEMBERS_II	15	13	0
12BJ1A0339	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	13	0
12BJ1A0340	R32031	METROLOGY	18	-1	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0340	R32032	ROBOTICS	16	-1	0
12BJ1A0340	R32033	HEAT TRANSFER	18	-1	0
12BJ1A0340	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	-1	0
12BJ1A0340	R32035	DESIGN OF MACHINE MEMBERS_II	15	0	0
12BJ1A0340	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
12BJ1A0341	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	32	4
12BJ1A0341	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	12	0
12BJ1A0342	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	54	4
12BJ1A0342	R32035	DESIGN OF MACHINE MEMBERS_II	21	43	4
12BJ1A0343	R32033	HEAT TRANSFER	18	32	4
12BJ1A0343	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	39	4
12BJ1A0343	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	15	0
12BJ1A0345	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	26	4
12BJ1A0347	R32031	METROLOGY	19	6	0
12BJ1A0347	R32033	HEAT TRANSFER	15	28	4
12BJ1A0347	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	26	4
12BJ1A0347	R32036	INDUSTRIAL ENGG. & MANAGEMENT	19	15	0
12BJ1A0348	R32031	METROLOGY	18	18	0
12BJ1A0348	R32032	ROBOTICS	20	46	4
12BJ1A0348	R32033	HEAT TRANSFER	14	40	4
12BJ1A0348	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	46	4
12BJ1A0349	R32031	METROLOGY	16	0	0
12BJ1A0349	R32033	HEAT TRANSFER	15	26	4
12BJ1A0349	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	37	4
12BJ1A0349	R32035	DESIGN OF MACHINE MEMBERS_II	14	30	4
12BJ1A0349	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	15	0
12BJ1A0350	R32033	HEAT TRANSFER	17	42	4
12BJ1A0350	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	42	4
12BJ1A0350	R32036	INDUSTRIAL ENGG. & MANAGEMENT	20	40	4
12BJ1A0353	R32031	METROLOGY	17	10	0
12BJ1A0353	R32033	HEAT TRANSFER	14	4	0
12BJ1A0353	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	26	4
12BJ1A0353	R32036	INDUSTRIAL ENGG. & MANAGEMENT	21	28	4
12BJ1A0354	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	27	4
12BJ1A0354	R32035	DESIGN OF MACHINE MEMBERS_II	19	43	4
12BJ1A0355	R32033	HEAT TRANSFER	16	31	4
12BJ1A0358	R32031	METROLOGY	20	0	0
12BJ1A0358	R32035	DESIGN OF MACHINE MEMBERS_II	18	31	4
12BJ1A0359	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	27	4
12BJ1A0361	R32036	INDUSTRIAL ENGG. & MANAGEMENT	18	39	4
12BJ1A0362	R32033	HEAT TRANSFER	14	-1	0
12BJ1A0362	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	-1	0
12BJ1A0362	R32035	DESIGN OF MACHINE MEMBERS_II	14	-1	0
12BJ1A0363	R32031	METROLOGY	15	-1	0
12BJ1A0363	R32032	ROBOTICS	14	-1	0
12BJ1A0363	R32033	HEAT TRANSFER	14	-1	0
12BJ1A0363	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	-1	0
12BJ1A0363	R32035	DESIGN OF MACHINE MEMBERS_II	14	-1	0
12BJ1A0363	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
12BJ1A0363	R32037	METROLOGY & INSTRUMENTATION LAB	22	-1	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0363	R32038	HEAT TRANSFER LAB	22	-1	0
12BJ1A0367	R32032	ROBOTICS	20	31	4
12BJ1A0367	R32033	HEAT TRANSFER	14	28	4
12BJ1A0367	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	26	4
12BJ1A0367	R32035	DESIGN OF MACHINE MEMBERS_II	21	32	4
12BJ1A0367	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	26	4
12BJ1A0369	R32031	METROLOGY	14	-1	0
12BJ1A0369	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	31	4
12BJ1A0369	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	28	4
12BJ1A0371	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	40	4
12BJ1A0372	R32032	ROBOTICS	24	40	4
12BJ1A0372	R32035	DESIGN OF MACHINE MEMBERS_II	14	36	4
12BJ1A0373	R32031	METROLOGY	14	0	0
12BJ1A0373	R32032	ROBOTICS	18	5	0
12BJ1A0373	R32033	HEAT TRANSFER	14	31	4
12BJ1A0373	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	6	0
12BJ1A0373	R32035	DESIGN OF MACHINE MEMBERS_II	15	15	0
12BJ1A0373	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	11	0
12BJ1A0374	R32033	HEAT TRANSFER	16	27	4
12BJ1A0377	R32033	HEAT TRANSFER	17	31	4
12BJ1A0377	R32035	DESIGN OF MACHINE MEMBERS_II	14	26	4
12BJ1A0377	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	29	4
12BJ1A0378	R32034	INSTRUMENTATION & CONTROL SYSTEMS	24	30	4
12BJ1A0379	R32031	METROLOGY	15	0	0
12BJ1A0379	R32032	ROBOTICS	18	0	0
12BJ1A0379	R32034	INSTRUMENTATION & CONTROL SYSTEMS	19	0	0
12BJ1A0379	R32035	DESIGN OF MACHINE MEMBERS_II	19	-1	0
12BJ1A0379	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
12BJ1A0380	R32031	METROLOGY	18	9	0
12BJ1A0380	R32032	ROBOTICS	14	16	0
12BJ1A0380	R32033	HEAT TRANSFER	16	0	0
12BJ1A0380	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	-1	0
12BJ1A0380	R32035	DESIGN OF MACHINE MEMBERS_II	14	2	0
12BJ1A0380	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	1	0
12BJ1A0381	R32032	ROBOTICS	20	43	4
12BJ1A0382	R32031	METROLOGY	15	0	0
12BJ1A0382	R32032	ROBOTICS	16	35	4
12BJ1A0382	R32033	HEAT TRANSFER	14	9	0
12BJ1A0382	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	6	0
12BJ1A0382	R32035	DESIGN OF MACHINE MEMBERS_II	15	11	0
12BJ1A0382	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	10	0
12BJ1A0383	R32031	METROLOGY	15	0	0
12BJ1A0383	R32032	ROBOTICS	17	6	0
12BJ1A0383	R32033	HEAT TRANSFER	15	13	0
12BJ1A0383	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	-1	0
12BJ1A0383	R32035	DESIGN OF MACHINE MEMBERS_II	14	26	4
12BJ1A0383	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
12BJ1A0384	R32031	METROLOGY	15	-1	0
12BJ1A0384	R32032	ROBOTICS	14	-1	0
12BJ1A0384	R32033	HEAT TRANSFER	14	-1	0



Htno	Subcode	Subname	Internal	External	credits
12BJ1A0384	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	-1	0
12BJ1A0384	R32035	DESIGN OF MACHINE MEMBERS_II	15	-1	0
12BJ1A0384	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	-1	0
12BJ1A0386	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	16	0
12BJ1A0386	R32035	DESIGN OF MACHINE MEMBERS_II	14	15	0
12BJ1A0386	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	18	0
12BJ1A0387	R32031	METROLOGY	18	0	0
12BJ1A0387	R32032	ROBOTICS	18	5	0
12BJ1A0387	R32033	HEAT TRANSFER	15	31	4
12BJ1A0387	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	19	0
12BJ1A0387	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	16	0
12BJ1A0388	R32031	METROLOGY	17	0	0
12BJ1A0388	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	26	4
12BJ1A0388	R32035	DESIGN OF MACHINE MEMBERS_II	15	20	0
12BJ1A0389	R32031	METROLOGY	15	1	0
12BJ1A0389	R32033	HEAT TRANSFER	14	-1	0
12BJ1A0389	R32034	INSTRUMENTATION & CONTROL SYSTEMS	15	8	0
12BJ1A0390	R32031	METROLOGY	16	4	0
12BJ1A0390	R32032	ROBOTICS	16	12	0
12BJ1A0390	R32033	HEAT TRANSFER	16	28	4
12BJ1A0390	R32034	INSTRUMENTATION & CONTROL SYSTEMS	23	15	0
12BJ1A0390	R32035	DESIGN OF MACHINE MEMBERS_II	16	26	4
12BJ1A0390	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	16	0
12BJ1A0392	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	26	4
12BJ1A0395	R32031	METROLOGY	15	0	0
12BJ1A0395	R32033	HEAT TRANSFER	15	14	0
12BJ1A0395	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	18	0
12BJ1A0395	R32036	INDUSTRIAL ENGG. & MANAGEMENT	14	12	0
12BJ1A0401	R32026	MANAGEMENT SCIENCE	22	-1	0
12BJ1A0401	R32041	COMPUTER NETWORKS	22	-1	0
12BJ1A0401	R32042	MICROWAVE ENGINEERING	22	-1	0
12BJ1A0401	R32043	DIGITAL SIGNAL PROCESSING	25	-1	0
12BJ1A0401	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	-1	0
12BJ1A0401	R32045	VLSI DESIGN	24	-1	0
12BJ1A0401	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	41	2
12BJ1A0401	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	24	40	2
12BJ1A0405	R32042	MICROWAVE ENGINEERING	21	0	0
12BJ1A0405	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	5	0
12BJ1A0405	R32045	VLSI DESIGN	21	35	4
12BJ1A0411	R32042	MICROWAVE ENGINEERING	20	12	0
12BJ1A0411	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	0	0
12BJ1A0412	R32043	DIGITAL SIGNAL PROCESSING	24	30	4
12BJ1A0412	R32045	VLSI DESIGN	20	3	0
12BJ1A0414	R32045	VLSI DESIGN	22	39	4
12BJ1A0420	R32045	VLSI DESIGN	21	32	4
12BJ1A0423	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	24	18	0
12BJ1A0424	R32042	MICROWAVE ENGINEERING	19	57	4
12BJ1A0424	R32045	VLSI DESIGN	23	36	4
12BJ1A0425	R32042	MICROWAVE ENGINEERING	18	29	4
12BJ1A0425	R32043	DIGITAL SIGNAL PROCESSING	23	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0425	R32045	VLSI DESIGN	20	32	4
12BJ1A0427	R32043	DIGITAL SIGNAL PROCESSING	24	30	4
12BJ1A0427	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	7	0
12BJ1A0428	R32042	MICROWAVE ENGINEERING	19	35	4
12BJ1A0428	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	7	0
12BJ1A0429	R32042	MICROWAVE ENGINEERING	21	58	4
12BJ1A0429	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	26	4
12BJ1A0429	R32045	VLSI DESIGN	20	39	4
12BJ1A0429	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	40	2
12BJ1A0430	R32043	DIGITAL SIGNAL PROCESSING	24	26	4
12BJ1A0430	R32045	VLSI DESIGN	22	29	4
12BJ1A0431	R32041	COMPUTER NETWORKS	16	-1	0
12BJ1A0431	R32042	MICROWAVE ENGINEERING	21	-1	0
12BJ1A0431	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	-1	0
12BJ1A0431	R32045	VLSI DESIGN	18	-1	0
12BJ1A0432	R32041	COMPUTER NETWORKS	15	6	0
12BJ1A0432	R32042	MICROWAVE ENGINEERING	19	15	0
12BJ1A0432	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	15	0
12BJ1A0432	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	40	2
12BJ1A0433	R32041	COMPUTER NETWORKS	22	5	0
12BJ1A0433	R32042	MICROWAVE ENGINEERING	18	10	0
12BJ1A0433	R32043	DIGITAL SIGNAL PROCESSING	22	17	0
12BJ1A0433	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	0	0
12BJ1A0433	R32045	VLSI DESIGN	19	9	0
12BJ1A0433	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	38	2
12BJ1A0434	R32042	MICROWAVE ENGINEERING	21	-1	0
12BJ1A0434	R32045	VLSI DESIGN	14	0	0
12BJ1A0435	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	10	0
12BJ1A0437	R32042	MICROWAVE ENGINEERING	23	30	4
12BJ1A0437	R32043	DIGITAL SIGNAL PROCESSING	21	1	0
12BJ1A0438	R32045	VLSI DESIGN	21	31	4
12BJ1A0439	R32043	DIGITAL SIGNAL PROCESSING	23	30	4
12BJ1A0439	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	0	0
12BJ1A0439	R32045	VLSI DESIGN	19	26	4
12BJ1A0440	R32042	MICROWAVE ENGINEERING	19	34	4
12BJ1A0440	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	13	0
12BJ1A0442	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	15	0
12BJ1A0443	R32041	COMPUTER NETWORKS	13	11	0
12BJ1A0443	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	5	0
12BJ1A0443	R32045	VLSI DESIGN	20	5	0
12BJ1A0444	R32026	MANAGEMENT SCIENCE	16	33	4
12BJ1A0444	R32041	COMPUTER NETWORKS	20	29	4
12BJ1A0444	R32042	MICROWAVE ENGINEERING	22	10	0
12BJ1A0444	R32043	DIGITAL SIGNAL PROCESSING	21	14	0
12BJ1A0444	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	3	0
12BJ1A0444	R32045	VLSI DESIGN	19	16	0
12BJ1A0445	R32042	MICROWAVE ENGINEERING	24	15	0
12BJ1A0445	R32043	DIGITAL SIGNAL PROCESSING	23	31	4
12BJ1A0445	R32045	VLSI DESIGN	21	33	4
12BJ1A0447	R32042	MICROWAVE ENGINEERING	14	16	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0447	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	15	0
12BJ1A0447	R32045	VLSI DESIGN	14	5	0
12BJ1A0448	R32043	DIGITAL SIGNAL PROCESSING	21	30	4
12BJ1A0448	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	15	0
12BJ1A0450	R32041	COMPUTER NETWORKS	13	32	4
12BJ1A0450	R32042	MICROWAVE ENGINEERING	15	30	4
12BJ1A0450	R32043	DIGITAL SIGNAL PROCESSING	15	37	4
12BJ1A0450	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	13	0
12BJ1A0450	R32045	VLSI DESIGN	15	17	0
12BJ1A0450	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	38	2
12BJ1A0451	R32041	COMPUTER NETWORKS	15	28	4
12BJ1A0451	R32042	MICROWAVE ENGINEERING	22	17	0
12BJ1A0451	R32043	DIGITAL SIGNAL PROCESSING	24	33	4
12BJ1A0451	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	14	0
12BJ1A0452	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	20	0
12BJ1A0453	R32043	DIGITAL SIGNAL PROCESSING	23	15	0
12BJ1A0453	R32045	VLSI DESIGN	24	26	4
12BJ1A0454	R32043	DIGITAL SIGNAL PROCESSING	24	30	4
12BJ1A0454	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	35	4
12BJ1A0454	R32045	VLSI DESIGN	16	19	0
12BJ1A0456	R32042	MICROWAVE ENGINEERING	20	10	0
12BJ1A0456	R32043	DIGITAL SIGNAL PROCESSING	23	20	0
12BJ1A0456	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	19	0
12BJ1A0456	R32045	VLSI DESIGN	24	26	4
12BJ1A0457	R32042	MICROWAVE ENGINEERING	19	15	0
12BJ1A0457	R32043	DIGITAL SIGNAL PROCESSING	22	15	0
12BJ1A0457	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	14	15	0
12BJ1A0457	R32045	VLSI DESIGN	19	7	0
12BJ1A0458	R32026	MANAGEMENT SCIENCE	19	1	0
12BJ1A0458	R32042	MICROWAVE ENGINEERING	21	6	0
12BJ1A0458	R32043	DIGITAL SIGNAL PROCESSING	23	1	0
12BJ1A0458	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	0	0
12BJ1A0458	R32045	VLSI DESIGN	24	0	0
12BJ1A0459	R32041	COMPUTER NETWORKS	14	5	0
12BJ1A0459	R32042	MICROWAVE ENGINEERING	17	14	0
12BJ1A0459	R32043	DIGITAL SIGNAL PROCESSING	24	7	0
12BJ1A0459	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	27	4
12BJ1A0460	R32042	MICROWAVE ENGINEERING	20	8	0
12BJ1A0460	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	31	4
12BJ1A0460	R32045	VLSI DESIGN	22	3	0
12BJ1A0461	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	27	4
12BJ1A0463	R32041	COMPUTER NETWORKS	21	18	0
12BJ1A0463	R32043	DIGITAL SIGNAL PROCESSING	24	2	0
12BJ1A0463	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	26	4
12BJ1A0465	R32045	VLSI DESIGN	24	26	4
12BJ1A0467	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	45	4
12BJ1A0468	R32043	DIGITAL SIGNAL PROCESSING	25	19	0
12BJ1A0468	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	23	40	4
12BJ1A0474	R32045	VLSI DESIGN	19	26	4
12BJ1A0479	R32041	COMPUTER NETWORKS	14	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0480	R32042	MICROWAVE ENGINEERING	19	6	0
12BJ1A0480	R32043	DIGITAL SIGNAL PROCESSING	19	32	4
12BJ1A0480	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	32	4
12BJ1A0480	R32045	VLSI DESIGN	17	27	4
12BJ1A0481	R32026	MANAGEMENT SCIENCE	20	26	4
12BJ1A0481	R32042	MICROWAVE ENGINEERING	20	4	0
12BJ1A0481	R32043	DIGITAL SIGNAL PROCESSING	19	35	4
12BJ1A0481	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	0	0
12BJ1A0481	R32045	VLSI DESIGN	20	0	0
12BJ1A0482	R32043	DIGITAL SIGNAL PROCESSING	14	-1	0
12BJ1A0482	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	-1	0
12BJ1A0482	R32045	VLSI DESIGN	15	-1	0
12BJ1A0484	R32026	MANAGEMENT SCIENCE	19	5	0
12BJ1A0484	R32042	MICROWAVE ENGINEERING	17	9	0
12BJ1A0484	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	20	1	0
12BJ1A0484	R32045	VLSI DESIGN	22	9	0
12BJ1A0485	R32042	MICROWAVE ENGINEERING	23	15	0
12BJ1A0485	R32043	DIGITAL SIGNAL PROCESSING	24	19	0
12BJ1A0485	R32045	VLSI DESIGN	20	26	4
12BJ1A0485	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	40	2
12BJ1A0486	R32043	DIGITAL SIGNAL PROCESSING	21	30	4
12BJ1A0486	R32045	VLSI DESIGN	19	10	0
12BJ1A0486	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	22	35	2
12BJ1A0489	R32026	MANAGEMENT SCIENCE	14	-1	0
12BJ1A0489	R32041	COMPUTER NETWORKS	15	0	0
12BJ1A0489	R32042	MICROWAVE ENGINEERING	15	-1	0
12BJ1A0489	R32043	DIGITAL SIGNAL PROCESSING	19	0	0
12BJ1A0489	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	-1	0
12BJ1A0489	R32045	VLSI DESIGN	17	0	0
12BJ1A0490	R32042	MICROWAVE ENGINEERING	15	5	0
12BJ1A0490	R32043	DIGITAL SIGNAL PROCESSING	16	0	0
12BJ1A0490	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	36	4
12BJ1A0490	R32045	VLSI DESIGN	14	0	0
12BJ1A0491	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	38	2
12BJ1A0492	R32042	MICROWAVE ENGINEERING	14	2	0
12BJ1A0492	R32043	DIGITAL SIGNAL PROCESSING	16	30	4
12BJ1A0492	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	27	4
12BJ1A0492	R32045	VLSI DESIGN	15	11	0
12BJ1A0493	R32045	VLSI DESIGN	20	26	4
12BJ1A0494	R32041	COMPUTER NETWORKS	0	15	0
12BJ1A0494	R32042	MICROWAVE ENGINEERING	21	30	4
12BJ1A0494	R32043	DIGITAL SIGNAL PROCESSING	17	10	0
12BJ1A0494	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	3	0
12BJ1A0494	R32045	VLSI DESIGN	16	14	0
12BJ1A0498	R32045	VLSI DESIGN	19	35	4
12BJ1A04A1	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	38	4
12BJ1A04A2	R32042	MICROWAVE ENGINEERING	20	5	0
12BJ1A04A2	R32043	DIGITAL SIGNAL PROCESSING	22	14	0
12BJ1A04A2	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	32	4
12BJ1A04A2	R32045	VLSI DESIGN	21	26	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A04A3	R32026	MANAGEMENT SCIENCE	20	17	0
12BJ1A04A3	R32042	MICROWAVE ENGINEERING	17	0	0
12BJ1A04A3	R32043	DIGITAL SIGNAL PROCESSING	18	0	0
12BJ1A04A3	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	13	0
12BJ1A04A3	R32045	VLSI DESIGN	20	-1	0
12BJ1A04A3	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	21	35	2
12BJ1A04A4	R32041	COMPUTER NETWORKS	14	26	4
12BJ1A04A4	R32042	MICROWAVE ENGINEERING	15	9	0
12BJ1A04A4	R32043	DIGITAL SIGNAL PROCESSING	18	5	0
12BJ1A04A4	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	3	0
12BJ1A04A4	R32045	VLSI DESIGN	22	-1	0
12BJ1A04A5	R32026	MANAGEMENT SCIENCE	18	3	0
12BJ1A04A5	R32041	COMPUTER NETWORKS	13	2	0
12BJ1A04A5	R32042	MICROWAVE ENGINEERING	14	0	0
12BJ1A04A5	R32043	DIGITAL SIGNAL PROCESSING	21	-1	0
12BJ1A04A5	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	-1	0
12BJ1A04A5	R32045	VLSI DESIGN	17	0	0
12BJ1A04A7	R32043	DIGITAL SIGNAL PROCESSING	15	30	4
12BJ1A04A7	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	33	4
12BJ1A04A7	R32045	VLSI DESIGN	21	19	0
12BJ1A04A8	R32042	MICROWAVE ENGINEERING	22	43	4
12BJ1A04A9	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	34	4
12BJ1A04B1	R32042	MICROWAVE ENGINEERING	16	-1	0
12BJ1A04B1	R32043	DIGITAL SIGNAL PROCESSING	15	-1	0
12BJ1A04B1	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	-1	0
12BJ1A04B1	R32045	VLSI DESIGN	18	-1	0
12BJ1A04B2	R32026	MANAGEMENT SCIENCE	14	-1	0
12BJ1A04B2	R32041	COMPUTER NETWORKS	14	7	0
12BJ1A04B2	R32042	MICROWAVE ENGINEERING	13	10	0
12BJ1A04B2	R32043	DIGITAL SIGNAL PROCESSING	15	0	0
12BJ1A04B2	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	-1	0
12BJ1A04B2	R32045	VLSI DESIGN	16	1	0
12BJ1A04B3	R32026	MANAGEMENT SCIENCE	17	10	0
12BJ1A04B3	R32043	DIGITAL SIGNAL PROCESSING	23	0	0
12BJ1A04B3	R32045	VLSI DESIGN	18	4	0
12BJ1A04B8	R32042	MICROWAVE ENGINEERING	19	16	0
12BJ1A04B8	R32043	DIGITAL SIGNAL PROCESSING	17	18	0
12BJ1A04B8	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	44	4
12BJ1A04B9	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	21	36	4
12BJ1A04B9	R32045	VLSI DESIGN	21	26	4
12BJ1A04C1	R32045	VLSI DESIGN	24	33	4
12BJ1A04C2	R32045	VLSI DESIGN	18	30	4
12BJ1A04C5	R32043	DIGITAL SIGNAL PROCESSING	23	30	4
12BJ1A04C8	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	25	43	4
12BJ1A04D2	R32041	COMPUTER NETWORKS	15	11	0
12BJ1A04D2	R32042	MICROWAVE ENGINEERING	18	6	0
12BJ1A04D2	R32043	DIGITAL SIGNAL PROCESSING	18	9	0
12BJ1A04D2	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	13	0
12BJ1A04D2	R32045	VLSI DESIGN	14	8	0
12BJ1A04D3	R32026	MANAGEMENT SCIENCE	14	-1	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A04D3	R32041	COMPUTER NETWORKS	17	-1	0
12BJ1A04D3	R32042	MICROWAVE ENGINEERING	21	-1	0
12BJ1A04D3	R32043	DIGITAL SIGNAL PROCESSING	16	-1	0
12BJ1A04D3	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	-1	0
12BJ1A04D3	R32045	VLSI DESIGN	17	-1	0
12BJ1A04D3	R32047	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	40	2
12BJ1A04D4	R32026	MANAGEMENT SCIENCE	14	34	4
12BJ1A04D4	R32043	DIGITAL SIGNAL PROCESSING	21	30	4
12BJ1A04D4	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	47	4
12BJ1A04D5	R32026	MANAGEMENT SCIENCE	22	20	0
12BJ1A04D5	R32042	MICROWAVE ENGINEERING	18	17	0
12BJ1A04D5	R32043	DIGITAL SIGNAL PROCESSING	21	10	0
12BJ1A04D5	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	19	14	0
12BJ1A04D5	R32045	VLSI DESIGN	19	8	0
12BJ1A04D6	R32041	COMPUTER NETWORKS	20	17	0
12BJ1A04D6	R32043	DIGITAL SIGNAL PROCESSING	21	6	0
12BJ1A04D7	R32042	MICROWAVE ENGINEERING	20	30	4
12BJ1A04D7	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	41	4
12BJ1A04D9	R32043	DIGITAL SIGNAL PROCESSING	23	34	4
12BJ1A04E3	R32026	MANAGEMENT SCIENCE	12	10	0
12BJ1A04E3	R32042	MICROWAVE ENGINEERING	15	12	0
12BJ1A04E3	R32043	DIGITAL SIGNAL PROCESSING	14	13	0
12BJ1A04E3	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	15	32	4
12BJ1A04E3	R32045	VLSI DESIGN	15	4	0
12BJ1A04E3	R32048	ELECTRONIC COMPUTER AIDED DESIGN LAB	23	40	2
12BJ1A04E5	R32026	MANAGEMENT SCIENCE	20	33	4
12BJ1A04E5	R32045	VLSI DESIGN	24	26	4
12BJ1A04E6	R32043	DIGITAL SIGNAL PROCESSING	19	17	0
12BJ1A04E6	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	38	4
12BJ1A0510	R32052	COMPUTER ARCHITECTURE	19	37	4
12BJ1A0510	R32054	UNIX PROGRAMMING	20	36	4
12BJ1A0511	R32052	COMPUTER ARCHITECTURE	24	40	4
12BJ1A0516	R32054	UNIX PROGRAMMING	21	35	4
12BJ1A0520	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	35	4
12BJ1A0520	R32054	UNIX PROGRAMMING	21	33	4
12BJ1A0528	R32051	ADVANCED COMPUTER NETWORKS	15	12	0
12BJ1A0529	R32026	MANAGEMENT SCIENCE	12	19	0
12BJ1A0529	R32051	ADVANCED COMPUTER NETWORKS	11	11	0
12BJ1A0529	R32052	COMPUTER ARCHITECTURE	10	27	0
12BJ1A0529	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	10	9	0
12BJ1A0529	R32054	UNIX PROGRAMMING	0	14	0
12BJ1A0529	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	11	0
12BJ1A0529	R32057	COMPUTER NETWORKS AND UNIX LAB	19	41	2
12BJ1A0529	R32058	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	19	41	2
12BJ1A0530	R32026	MANAGEMENT SCIENCE	17	12	0
12BJ1A0530	R32051	ADVANCED COMPUTER NETWORKS	12	34	4
12BJ1A0530	R32052	COMPUTER ARCHITECTURE	16	28	4
12BJ1A0530	R32054	UNIX PROGRAMMING	14	5	0
12BJ1A0531	R32026	MANAGEMENT SCIENCE	6	34	4
12BJ1A0531	R32052	COMPUTER ARCHITECTURE	17	28	4

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0531	R32054	UNIX PROGRAMMING	14	15	0
12BJ1A0532	R32051	ADVANCED COMPUTER NETWORKS	15	10	0
12BJ1A0532	R32054	UNIX PROGRAMMING	14	18	0
12BJ1A0535	R32051	ADVANCED COMPUTER NETWORKS	12	8	0
12BJ1A0535	R32052	COMPUTER ARCHITECTURE	19	27	4
12BJ1A0535	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	5	0
12BJ1A0535	R32054	UNIX PROGRAMMING	15	26	4
12BJ1A0535	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	2	0
12BJ1A0537	R32051	ADVANCED COMPUTER NETWORKS	14	12	0
12BJ1A0537	R32052	COMPUTER ARCHITECTURE	14	26	4
12BJ1A0537	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	6	0
12BJ1A0538	R32054	UNIX PROGRAMMING	14	14	0
12BJ1A0540	R32026	MANAGEMENT SCIENCE	0	-1	0
12BJ1A0540	R32051	ADVANCED COMPUTER NETWORKS	19	-1	0
12BJ1A0540	R32052	COMPUTER ARCHITECTURE	14	-1	0
12BJ1A0540	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	-1	0
12BJ1A0540	R32054	UNIX PROGRAMMING	17	-1	0
12BJ1A0540	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	-1	0
12BJ1A0541	R32052	COMPUTER ARCHITECTURE	19	27	4
12BJ1A0541	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	37	4
12BJ1A0541	R32054	UNIX PROGRAMMING	17	31	4
12BJ1A0543	R32026	MANAGEMENT SCIENCE	16	32	4
12BJ1A0543	R32051	ADVANCED COMPUTER NETWORKS	13	35	4
12BJ1A0543	R32052	COMPUTER ARCHITECTURE	14	26	4
12BJ1A0543	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	26	4
12BJ1A0543	R32054	UNIX PROGRAMMING	14	36	4
12BJ1A0543	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	21	26	4
12BJ1A0545	R32026	MANAGEMENT SCIENCE	17	29	4
12BJ1A0545	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	45	4
12BJ1A0545	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	18	33	4
12BJ1A0546	R32026	MANAGEMENT SCIENCE	20	26	4
12BJ1A0546	R32051	ADVANCED COMPUTER NETWORKS	13	12	0
12BJ1A0546	R32054	UNIX PROGRAMMING	18	15	0
12BJ1A0547	R32051	ADVANCED COMPUTER NETWORKS	13	13	0
12BJ1A0547	R32052	COMPUTER ARCHITECTURE	15	28	4
12BJ1A0547	R32054	UNIX PROGRAMMING	16	33	4
12BJ1A0549	R32026	MANAGEMENT SCIENCE	13	17	0
12BJ1A0549	R32052	COMPUTER ARCHITECTURE	21	29	4
12BJ1A0549	R32054	UNIX PROGRAMMING	21	15	0
12BJ1A0550	R32052	COMPUTER ARCHITECTURE	21	26	4
12BJ1A0550	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	17	34	4
12BJ1A0552	R32026	MANAGEMENT SCIENCE	18	26	4
12BJ1A0552	R32051	ADVANCED COMPUTER NETWORKS	18	32	4
12BJ1A0552	R32054	UNIX PROGRAMMING	22	17	0
12BJ1A0553	R32052	COMPUTER ARCHITECTURE	21	32	4
12BJ1A0553	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	20	26	4
12BJ1A0553	R32054	UNIX PROGRAMMING	22	30	4
12BJ1A0553	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	6	0
12BJ1A0554	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	13	0
12BJ1A0554	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	0	0

Htno	Subcode	Subname	Internal	External	credits
12BJ1A0555	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	24	35	4
12BJ1A0555	R32054	UNIX PROGRAMMING	16	30	4
12BJ1A0558	R32052	COMPUTER ARCHITECTURE	14	26	4
12BJ1A0558	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	26	4
12BJ1A0558	R32054	UNIX PROGRAMMING	15	4	0
12BJ1A0558	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	1	0
12BJ1A0560	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	46	4
12BJ1A0560	R32054	UNIX PROGRAMMING	18	30	4
12BJ1A0560	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	9	0
12BJ1A0563	R32026	MANAGEMENT SCIENCE	17	26	4
12BJ1A0563	R32052	COMPUTER ARCHITECTURE	18	37	4
12BJ1A0563	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	8	0
12BJ1A0565	R32052	COMPUTER ARCHITECTURE	14	34	4
12BJ1A0579	R32054	UNIX PROGRAMMING	15	15	0
12BJ1A0579	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	9	0
12BJ1A0580	R32054	UNIX PROGRAMMING	17	36	4
12BJ1A0580	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	18	0
12BJ1A0583	R32051	ADVANCED COMPUTER NETWORKS	16	30	4
12BJ1A0584	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	23	38	4
12BJ1A0584	R32054	UNIX PROGRAMMING	15	26	4
12BJ1A0584	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	13	0
12BJ1A0585	R32054	UNIX PROGRAMMING	18	42	4
12BJ1A0586	R32026	MANAGEMENT SCIENCE	19	29	4
12BJ1A0586	R32052	COMPUTER ARCHITECTURE	19	32	4
12BJ1A0587	R32054	UNIX PROGRAMMING	24	40	4
12BJ1A0588	R32054	UNIX PROGRAMMING	19	30	4
12BJ1A0591	R32051	ADVANCED COMPUTER NETWORKS	14	2	0
12BJ1A0591	R32052	COMPUTER ARCHITECTURE	14	20	0
12BJ1A0591	R32054	UNIX PROGRAMMING	14	11	0
12BJ1A0591	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	7	0
12BJ1A0594	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	10	0
12BJ1A0594	R32054	UNIX PROGRAMMING	15	8	0
12BJ1A0594	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	6	0
12BJ1A0596	R32026	MANAGEMENT SCIENCE	15	28	4
12BJ1A0596	R32052	COMPUTER ARCHITECTURE	16	29	4
12BJ1A0596	R32054	UNIX PROGRAMMING	18	32	4
12BJ1A0598	R32026	MANAGEMENT SCIENCE	21	18	0
12BJ1A0598	R32051	ADVANCED COMPUTER NETWORKS	14	9	0
12BJ1A0598	R32052	COMPUTER ARCHITECTURE	17	26	4
12BJ1A0598	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	5	0
12BJ1A0598	R32054	UNIX PROGRAMMING	15	6	0
12BJ1A0598	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	2	0
12BJ1A05A0	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	42	4
12BJ1A05A1	R32051	ADVANCED COMPUTER NETWORKS	22	15	0
12BJ1A05A1	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	20	0
12BJ1A05A4	R32052	COMPUTER ARCHITECTURE	17	27	4
12BJ1A05A4	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	35	4
12BJ1A05A4	R32054	UNIX PROGRAMMING	15	34	4
12BJ1A05A5	R32051	ADVANCED COMPUTER NETWORKS	16	28	4
12BJ1A05A5	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	31	4



Htno	Subcode	Subname	Internal	External	credits
12BJ1A05A5	R32054	UNIX PROGRAMMING	17	26	4
12BJ1A05A5	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	16	11	0
12BJ1A05A8	R32052	COMPUTER ARCHITECTURE	22	31	4
12BJ1A05A8	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	34	4
12BJ1A05A8	R32054	UNIX PROGRAMMING	16	26	4
12BJ1A05A8	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	4	0
12BJ1A05A9	R32052	COMPUTER ARCHITECTURE	18	28	4
12BJ1A05A9	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	21	15	0
12BJ1A05B0	R32051	ADVANCED COMPUTER NETWORKS	18	-1	0
12BJ1A05B0	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	-1	0
12BJ1A05B0	R32054	UNIX PROGRAMMING	14	-1	0
12BJ1A05B0	R32057	COMPUTER NETWORKS AND UNIX LAB	15	40	2
12BJ1A05B1	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	22	10	0
12BJ1A05B2	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	17	35	4
12BJ1A05B2	R32054	UNIX PROGRAMMING	17	31	4
12BJ5A0205	R32024	MICROPROCESSORS AND MICROCONTROLLER	18	-1	0
12BJ5A0206	R32023	UTILIZATION OF ELECTRICAL ENERGY	19	31	4
12BJ5A0208	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	-1	0
12BJ5A0208	R32025	POWER SEMICONDUCTOR DRIVES	15	-1	0
12BJ5A0216	R32023	UTILIZATION OF ELECTRICAL ENERGY	16	-1	0
12BJ5A0216	R32024	MICROPROCESSORS AND MICROCONTROLLER	19	-1	0
12BJ5A0216	R32025	POWER SEMICONDUCTOR DRIVES	19	-1	0
12BJ5A0216	R32026	MANAGEMENT SCIENCE	16	-1	0
12BJ5A0220	R32025	POWER SEMICONDUCTOR DRIVES	18	-1	0
12BJ5A0303	R32032	ROBOTICS	18	-1	0
12BJ5A0303	R32036	INDUSTRIAL ENGG. & MANAGEMENT	16	-1	0
13BJ5A0205	R32024	MICROPROCESSORS AND MICROCONTROLLER	15	0	0
13BJ5A0207	R32024	MICROPROCESSORS AND MICROCONTROLLER	17	13	0
13BJ5A0207	R32025	POWER SEMICONDUCTOR DRIVES	21	30	4
13BJ5A0208	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	20	0
13BJ5A0208	R32025	POWER SEMICONDUCTOR DRIVES	17	26	4
13BJ5A0208	R32026	MANAGEMENT SCIENCE	17	28	4
13BJ5A0209	R32021	ELECTRICAL MACHINE DESIGN	12	30	4
13BJ5A0302	R32033	HEAT TRANSFER	18	28	4
13BJ5A0302	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	16	0
13BJ5A0303	R32033	HEAT TRANSFER	18	17	0
13BJ5A0303	R32034	INSTRUMENTATION & CONTROL SYSTEMS	21	26	4
13BJ5A0303	R32035	DESIGN OF MACHINE MEMBERS_II	14	18	0
13BJ5A0304	R32031	METROLOGY	15	26	4
13BJ5A0304	R32032	ROBOTICS	14	26	4
13BJ5A0304	R32033	HEAT TRANSFER	14	32	4
13BJ5A0304	R32034	INSTRUMENTATION & CONTROL SYSTEMS	14	29	4
13BJ5A0304	R32035	DESIGN OF MACHINE MEMBERS_II	14	14	0
13BJ5A0304	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	35	4
13BJ5A0305	R32034	INSTRUMENTATION & CONTROL SYSTEMS	18	2	0
13BJ5A0305	R32035	DESIGN OF MACHINE MEMBERS_II	15	38	4
13BJ5A0306	R32031	METROLOGY	19	-1	0
13BJ5A0306	R32034	INSTRUMENTATION & CONTROL SYSTEMS	16	40	4
13BJ5A0306	R32035	DESIGN OF MACHINE MEMBERS_II	16	38	4
13BJ5A0306	R32036	INDUSTRIAL ENGG. & MANAGEMENT	15	26	4

Htno	Subcode	Subname	Internal	External	credits
13BJ5A0308	R32032	ROBOTICS	20	43	4
13BJ5A0309	R32034	INSTRUMENTATION & CONTROL SYSTEMS	17	-1	0
13BJ5A0404	R32026	MANAGEMENT SCIENCE	22	35	4
13BJ5A0406	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	22	46	4
13BJ5A0407	R32041	COMPUTER NETWORKS	17	-1	0
13BJ5A0407	R32042	MICROWAVE ENGINEERING	20	42	4
13BJ5A0407	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	33	4
13BJ5A0408	R32042	MICROWAVE ENGINEERING	18	5	0
13BJ5A0408	R32043	DIGITAL SIGNAL PROCESSING	16	-1	0
13BJ5A0408	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	-1	0
13BJ5A0408	R32045	VLSI DESIGN	16	-1	0
13BJ5A0409	R32041	COMPUTER NETWORKS	14	26	4
13BJ5A0409	R32042	MICROWAVE ENGINEERING	16	6	0
13BJ5A0409	R32043	DIGITAL SIGNAL PROCESSING	18	-1	0
13BJ5A0409	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	17	-1	0
13BJ5A0409	R32045	VLSI DESIGN	14	-1	0
13BJ5A0410	R32042	MICROWAVE ENGINEERING	17	15	0
13BJ5A0410	R32043	DIGITAL SIGNAL PROCESSING	20	8	0
13BJ5A0410	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	16	27	4
13BJ5A0411	R32042	MICROWAVE ENGINEERING	18	2	0
13BJ5A0411	R32044	MICROPROCESSORS AND MICROCONTROLLERSS	18	47	4
13BJ5A0502	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	16	7	0
13BJ5A0502	R32054	UNIX PROGRAMMING	13	12	0
13BJ5A0502	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	14	3	0
13BJ5A0503	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	15	0	0

**\*\*Note:- For Recounting/Revaluation/Challenge By Revaluation Apply on or before 12-03-2016.**

**\*\* Note:\*\***

\* -1 in the filed of externals indicates student absent for the respective subject.

\* -2 in the filed of externals indicates student Withheld for the respective subject.

\* -3 in the filed of externals indicates student Malpractice for the respective subject.



Date:05-03-2016

Controller of Examinations