



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results for III B.Tech II Semester [R13/R10] Supplementary Examinations Nov-2018

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

Htno	Subcode	Subname	Internal	External	Credits
10BJ1A0311	R32034	INSTRUMENTATION & CONTROL SYSTEMS	9	-1	0
10BJ1A0570	R32026	MANAGEMENT SCIENCE	11	15	0
10BJ1A0570	R32051	ADVANCED COMPUTER NETWORKS	12	9	0
10BJ1A0570	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	18	14	0
12BJ1A0311	R32033	HEAT TRANSFER	18	-1	0
12BJ1A0412	R32045	VLSI DESIGN	20	24	0
12BJ1A0447	R32045	VLSI DESIGN	14	10	0
12BJ1A0490	R32045	VLSI DESIGN	14	-1	0
12BJ1A04A4	R32043	DIGITAL SIGNAL PROCESSING	18	-1	0
12BJ1A04E3	R32042	MICROWAVE ENGINEERING	15	25	0
12BJ1A04E3	R32043	DIGITAL SIGNAL PROCESSING	14	16	0
12BJ1A0519	R32051	ADVANCED COMPUTER NETWORKS	16	9	0
12BJ1A0519	R32052	COMPUTER ARCHITECTURE	15	10	0
12BJ1A0534	R32054	UNIX PROGRAMMING	17	16	0
12BJ1A0554	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	26	4
12BJ1A0594	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	22	0
12BJ1A0598	R32051	ADVANCED COMPUTER NETWORKS	14	-1	0
12BJ1A0598	R32053	DESIGN AND ANALYSIS OF ALGORITHMS	19	-1	0
12BJ1A0598	R32055	ADVANCED JAVA AND WEB TECHNOLOGIES	15	-1	0
13BJ1A0110	RT32012	GEOTECHNICAL ENGINEERING II	16	25	3
13BJ1A0127	RT32012	GEOTECHNICAL ENGINEERING II	16	17	0
13BJ1A0127	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	17	34	3
13BJ1A0127	RT32015	TRANSPORTATION ENGINEERING II	15	10	0
13BJ1A0301	RT32033	DESIGN OF MACHINE MEMBERS II	10	13	0
13BJ1A0301	RT32035	HEAT TRANSFER	16	13	0
13BJ1A0316	RT32037A	REFRIGERATION & AIR CONDITIONING	21	23	0
13BJ1A0337	RT32033	DESIGN OF MACHINE MEMBERS II	14	32	3
13BJ1A0337	RT32035	HEAT TRANSFER	22	15	0
13BJ1A0355	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	24	3
13BJ1A0387	RT32035	HEAT TRANSFER	23	-1	0
13BJ1A0393	RT32035	HEAT TRANSFER	18	-1	0
13BJ1A0394	RT32037A	REFRIGERATION & AIR CONDITIONING	7	33	3
13BJ1A03B6	RT32033	DESIGN OF MACHINE MEMBERS II	10	15	0
13BJ1A03B6	RT32034	ROBOTICS	14	28	3
13BJ1A03B6	RT32035	HEAT TRANSFER	5	29	0
13BJ1A03B7	RT32033	DESIGN OF MACHINE MEMBERS II	11	-1	0
13BJ1A03B7	RT32035	HEAT TRANSFER	18	11	0
13BJ1A03B7	RT32037A	REFRIGERATION & AIR CONDITIONING	17	29	3
13BJ1A03C6	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	25	3
13BJ1A03D8	RT32031	OPERATIONS RESEARCH	13	19	0
13BJ1A03D8	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	24	3
13BJ1A03D8	RT32033	DESIGN OF MACHINE MEMBERS II	11	18	0
13BJ1A03D8	RT32035	HEAT TRANSFER	20	13	0
13BJ1A03D8	RT32037A	REFRIGERATION & AIR CONDITIONING	14	12	0

Htno	Subcode	Subname	Internal	External	Credits
13BJ1A03E6	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	16	0
13BJ1A03E8	RT32033	DESIGN OF MACHINE MEMBERS II	11	-1	0
13BJ1A03E8	RT32035	HEAT TRANSFER	22	0	0
13BJ1A03F0	RT32031	OPERATIONS RESEARCH	11	28	0
13BJ1A03F0	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	13	0
13BJ1A0431	RT32042	DIGITAL SIGNAL PROCESSING	24	29	3
13BJ1A0446	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	-1	0
13BJ1A0446	RT32042	DIGITAL SIGNAL PROCESSING	13	-1	0
13BJ1A0457	RT32042	DIGITAL SIGNAL PROCESSING	21	-1	0
13BJ1A0457	RT32043	DIGITAL COMMUNICATIONS	21	-1	0
13BJ1A0487	RT32044	MICROWAVE ENGINEERING	16	15	0
13BJ1A04D5	RT32042	DIGITAL SIGNAL PROCESSING	0	29	0
13BJ1A04D8	RT32042	DIGITAL SIGNAL PROCESSING	22	7	0
13BJ1A0555	RT32055	WEB TECHNOLOGIES	10	25	0
13BJ1A0581	RT32053	COMPUTER NETWORKS	19	38	3
13BJ1A0591	RT32055	WEB TECHNOLOGIES	16	-1	0
13BJ1A0595	RT32055	WEB TECHNOLOGIES	13	36	3
13BJ5A0203	R32021	ELECTRICAL MACHINE DESIGN	20	6	0
13BJ5A0203	R32022	POWER SYSTEM ANALYSIS	23	9	0
13BJ5A0203	R32023	UTILIZATION OF ELECTRICAL ENERGY	3	10	0
13BJ5A0203	R32024	MICROPROCESSORS AND MICROCONTROLLER	20	0	0
13BJ5A0203	R32025	POWER SEMICONDUCTOR DRIVES	14	0	0
13BJ5A0203	R32026	MANAGEMENT SCIENCE	22	8	0
14BJ1A0108	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	20	8	0
14BJ1A0122	RT32011	ENVIRONMENTAL ENGINEERING I	19	31	3
14BJ1A0122	RT32012	GEOTECHNICAL ENGINEERING II	18	16	0
14BJ1A0122	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	22	30	3
14BJ1A0122	RT32015	TRANSPORTATION ENGINEERING II	21	10	0
14BJ1A0139	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	18	34	3
14BJ1A0140	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	19	36	3
14BJ1A0140	RT32015	TRANSPORTATION ENGINEERING II	19	33	3
14BJ1A0159	RT32011	ENVIRONMENTAL ENGINEERING I	23	39	3
14BJ1A0159	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	22	6	0
14BJ1A0170	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	18	30	3
14BJ1A0185	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	23	44	3
14BJ1A0197	RT32012	GEOTECHNICAL ENGINEERING II	17	-1	0
14BJ1A0199	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	21	44	3
14BJ1A01A9	RT32014	WATER RESOURCES ENGINEERING I	23	26	3
14BJ1A01A9	RT32015	TRANSPORTATION ENGINEERING II	22	30	3
14BJ1A01A9	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	26	3
14BJ1A0208	RT32024	POWER SYSTEM ANALYSIS	23	28	3
14BJ1A0218	RT32024	POWER SYSTEM ANALYSIS	26	12	0
14BJ1A0226	RT32024	POWER SYSTEM ANALYSIS	19	39	3
14BJ1A0230	RT32022	SWITCHGEAR AND PROTECTION	24	-1	0
14BJ1A0230	RT32023	UTILIZATION OF ELECTRICAL ENERGY	27	-1	0
14BJ1A0233	RT32022	SWITCHGEAR AND PROTECTION	24	0	0
14BJ1A0233	RT32024	POWER SYSTEM ANALYSIS	18	28	3
14BJ1A0239	RT32024	POWER SYSTEM ANALYSIS	28	43	3
14BJ1A0303	RT32035	HEAT TRANSFER	15	22	0
14BJ1A0303	RT32037A	REFRIGERATION & AIR CONDITIONING	17	29	3

Htno	Subcode	Subname	Internal	External	Credits
14BJ1A0310	RT32031	OPERATIONS RESEARCH	14	8	0
14BJ1A0310	RT32034	ROBOTICS	16	28	3
14BJ1A0310	RT32035	HEAT TRANSFER	11	22	0
14BJ1A0310	RT32037A	REFRIGERATION & AIR CONDITIONING	15	9	0
14BJ1A0311	RT32037A	REFRIGERATION & AIR CONDITIONING	21	28	3
14BJ1A0312	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	11	0
14BJ1A0323	RT32031	OPERATIONS RESEARCH	19	-1	0
14BJ1A0323	RT32034	ROBOTICS	18	-1	0
14BJ1A0330	RT32037A	REFRIGERATION & AIR CONDITIONING	13	17	0
14BJ1A0339	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	12	0
14BJ1A0339	RT32033	DESIGN OF MACHINE MEMBERS II	12	6	0
14BJ1A0339	RT32037A	REFRIGERATION & AIR CONDITIONING	19	14	0
14BJ1A0341	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	5	0
14BJ1A0347	RT32035	HEAT TRANSFER	20	8	0
14BJ1A0351	RT32033	DESIGN OF MACHINE MEMBERS II	13	0	0
14BJ1A0351	RT32034	ROBOTICS	14	-1	0
14BJ1A0351	RT32035	HEAT TRANSFER	13	0	0
14BJ1A0366	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	8	0
14BJ1A0366	RT32033	DESIGN OF MACHINE MEMBERS II	16	6	0
14BJ1A0366	RT32035	HEAT TRANSFER	21	6	0
14BJ1A0366	RT32037A	REFRIGERATION & AIR CONDITIONING	16	6	0
14BJ1A0369	RT32032	INTERACTIVE COMPUTER GRAPHICS	9	10	0
14BJ1A0369	RT32033	DESIGN OF MACHINE MEMBERS II	6	6	0
14BJ1A0369	RT32034	ROBOTICS	27	10	0
14BJ1A0369	RT32035	HEAT TRANSFER	14	0	0
14BJ1A0369	RT32037A	REFRIGERATION & AIR CONDITIONING	8	9	0
14BJ1A0373	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	-1	0
14BJ1A0373	RT32033	DESIGN OF MACHINE MEMBERS II	12	-1	0
14BJ1A0377	RT32035	HEAT TRANSFER	9	30	0
14BJ1A0378	RT32033	DESIGN OF MACHINE MEMBERS II	6	15	0
14BJ1A0386	RT32031	OPERATIONS RESEARCH	21	11	0
14BJ1A0386	RT32034	ROBOTICS	18	28	3
14BJ1A0386	RT32035	HEAT TRANSFER	19	0	0
14BJ1A0386	RT32037A	REFRIGERATION & AIR CONDITIONING	21	16	0
14BJ1A0391	RT32033	DESIGN OF MACHINE MEMBERS II	25	8	0
14BJ1A03A1	RT32031	OPERATIONS RESEARCH	7	12	0
14BJ1A03A1	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	15	0
14BJ1A03A1	RT32033	DESIGN OF MACHINE MEMBERS II	3	0	0
14BJ1A03A1	RT32034	ROBOTICS	3	28	0
14BJ1A03A1	RT32035	HEAT TRANSFER	1	0	0
14BJ1A03A1	RT32037A	REFRIGERATION & AIR CONDITIONING	15	0	0
14BJ1A03A2	RT32032	INTERACTIVE COMPUTER GRAPHICS	10	13	0
14BJ1A03A2	RT32033	DESIGN OF MACHINE MEMBERS II	18	6	0
14BJ1A03A2	RT32034	ROBOTICS	19	30	3
14BJ1A03A2	RT32035	HEAT TRANSFER	21	7	0
14BJ1A03A2	RT32037A	REFRIGERATION & AIR CONDITIONING	20	28	3
14BJ1A03A3	RT32035	HEAT TRANSFER	21	16	0
14BJ1A03B2	RT32035	HEAT TRANSFER	20	30	3
14BJ1A03B7	RT32033	DESIGN OF MACHINE MEMBERS II	17	12	0
14BJ1A03B7	RT32034	ROBOTICS	5	28	0

Htno	Subcode	Subname	Internal	External	Credits
14BJ1A03B7	RT32035	HEAT TRANSFER	25	6	0
14BJ1A03B7	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	25	3
14BJ1A03C0	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	15	0
14BJ1A03C0	RT32033	DESIGN OF MACHINE MEMBERS II	16	7	0
14BJ1A03C0	RT32035	HEAT TRANSFER	19	8	0
14BJ1A03D2	RT32035	HEAT TRANSFER	20	12	0
14BJ1A0417	RT32043	DIGITAL COMMUNICATIONS	19	14	0
14BJ1A0418	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	29	3
14BJ1A0420	RT32042	DIGITAL SIGNAL PROCESSING	25	0	0
14BJ1A0432	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	16	0
14BJ1A0433	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	7	0
14BJ1A0433	RT32042	DIGITAL SIGNAL PROCESSING	20	0	0
14BJ1A0435	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	11	0
14BJ1A0435	RT32043	DIGITAL COMMUNICATIONS	21	15	0
14BJ1A0436	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	12	0
14BJ1A0444	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	15	0	0
14BJ1A0444	RT32042	DIGITAL SIGNAL PROCESSING	18	0	0
14BJ1A0444	RT32043	DIGITAL COMMUNICATIONS	20	-1	0
14BJ1A0444	RT32044	MICROWAVE ENGINEERING	15	-1	0
14BJ1A0444	RT32045A	BIO MEDICAL ENGINEERING	12	12	0
14BJ1A0454	RT32042	DIGITAL SIGNAL PROCESSING	19	30	3
14BJ1A0455	RT32043	DIGITAL COMMUNICATIONS	22	29	3
14BJ1A0456	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	16	0
14BJ1A0456	RT32042	DIGITAL SIGNAL PROCESSING	21	9	0
14BJ1A0456	RT32043	DIGITAL COMMUNICATIONS	26	22	0
14BJ1A0459	RT32042	DIGITAL SIGNAL PROCESSING	19	30	3
14BJ1A0462	RT32044	MICROWAVE ENGINEERING	20	17	0
14BJ1A0465	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	28	3
14BJ1A0488	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	16	12	0
14BJ1A0488	RT32042	DIGITAL SIGNAL PROCESSING	20	15	0
14BJ1A0488	RT32043	DIGITAL COMMUNICATIONS	22	7	0
14BJ1A0488	RT32044	MICROWAVE ENGINEERING	17	6	0
14BJ1A04A2	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	19	19	0
14BJ1A04A2	RT32042	DIGITAL SIGNAL PROCESSING	25	31	3
14BJ1A04A3	RT32042	DIGITAL SIGNAL PROCESSING	26	20	0
14BJ1A04A7	RT32044	MICROWAVE ENGINEERING	23	15	0
14BJ1A04B3	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	25	14	0
14BJ1A04B7	RT32042	DIGITAL SIGNAL PROCESSING	23	30	3
14BJ1A04B8	RT32042	DIGITAL SIGNAL PROCESSING	17	-1	0
14BJ1A04B8	RT32043	DIGITAL COMMUNICATIONS	19	0	0
14BJ1A04B8	RT32044	MICROWAVE ENGINEERING	18	5	0
14BJ1A04B8	RT32045A	BIO MEDICAL ENGINEERING	8	-1	0
14BJ1A0501	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	22	14	0
14BJ1A0501	RT32055	WEB TECHNOLOGIES	21	28	3
14BJ1A0507	RT32052	DATA WARE HOUSING AND MINING	26	18	0
14BJ1A0507	RT32055	WEB TECHNOLOGIES	23	29	3
14BJ1A0509	RT32055	WEB TECHNOLOGIES	21	24	3
14BJ1A0523	RT32052	DATA WARE HOUSING AND MINING	13	-1	0
14BJ1A0523	RT32056	IPR AND PATENTS	20	-1	0
14BJ1A0528	RT32051	SOFTWARE ENGINEERING	17	22	0

Htno	Subcode	Subname	Internal	External	Credits
14BJ1A0528	RT32052	DATA WARE HOUSING AND MINING	21	5	0
14BJ1A0528	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	17	0	0
14BJ1A0528	RT32055	WEB TECHNOLOGIES	15	20	0
14BJ1A0530	RT32051	SOFTWARE ENGINEERING	22	30	3
14BJ1A0550	RT32051	SOFTWARE ENGINEERING	18	23	0
14BJ1A0554	RT32055	WEB TECHNOLOGIES	16	24	3
14BJ1A0561	RT32055	WEB TECHNOLOGIES	19	26	3
14BJ1A0564	RT32051	SOFTWARE ENGINEERING	21	18	0
14BJ1A0564	RT32055	WEB TECHNOLOGIES	25	5	0
14BJ1A0564	RT32056	IPR AND PATENTS	21	-1	0
14BJ1A0569	RT32053	COMPUTER NETWORKS	24	40	3
14BJ1A0591	RT32051	SOFTWARE ENGINEERING	21	-1	0
14BJ1A05B1	RT32052	DATA WARE HOUSING AND MINING	20	28	3
14BJ1A05C0	RT32051	SOFTWARE ENGINEERING	22	28	3
14BJ5A0322	RT32031	OPERATIONS RESEARCH	13	-1	0
14BJ5A0322	RT32035	HEAT TRANSFER	18	7	0
14BJ5A0413	RT32043	DIGITAL COMMUNICATIONS	23	20	0
14BJ5A0429	RT32044	MICROWAVE ENGINEERING	21	10	0
15BJ1A0101	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	23	45	3
15BJ1A0101	RT32014	WATER RESOURCES ENGINEERING I	22	11	0
15BJ1A0103	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	21	44	3
15BJ1A0108	RT32012	GEOTECHNICAL ENGINEERING II	15	3	0
15BJ1A0108	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	16	6	0
15BJ1A0109	RT32012	GEOTECHNICAL ENGINEERING II	23	20	0
15BJ1A0109	RT32014	WATER RESOURCES ENGINEERING I	21	24	3
15BJ1A0110	RT32012	GEOTECHNICAL ENGINEERING II	22	24	3
15BJ1A0110	RT32014	WATER RESOURCES ENGINEERING I	19	0	0
15BJ1A0110	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	28	3
15BJ1A0113	RT32011	ENVIRONMENTAL ENGINEERING I	25	24	3
15BJ1A0113	RT32012	GEOTECHNICAL ENGINEERING II	20	4	0
15BJ1A0118	RT32012	GEOTECHNICAL ENGINEERING II	21	24	3
15BJ1A0119	RT32011	ENVIRONMENTAL ENGINEERING I	23	35	3
15BJ1A0119	RT32012	GEOTECHNICAL ENGINEERING II	21	5	0
15BJ1A0120	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	20	0	0
15BJ1A0120	RT32014	WATER RESOURCES ENGINEERING I	16	0	0
15BJ1A0120	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	18	12	0
15BJ1A0124	RT32011	ENVIRONMENTAL ENGINEERING I	22	32	3
15BJ1A0124	RT32012	GEOTECHNICAL ENGINEERING II	17	24	3
15BJ1A0124	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	20	6	0
15BJ1A0124	RT32014	WATER RESOURCES ENGINEERING I	17	3	0
15BJ1A0124	RT32015	TRANSPORTATION ENGINEERING II	19	7	0
15BJ1A0124	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	19	24	3
15BJ1A0125	RT32012	GEOTECHNICAL ENGINEERING II	18	34	3
15BJ1A0131	RT32011	ENVIRONMENTAL ENGINEERING I	25	34	3
15BJ1A0132	RT32014	WATER RESOURCES ENGINEERING I	19	26	3
15BJ1A0132	RT32015	TRANSPORTATION ENGINEERING II	20	25	3
15BJ1A0132	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	23	24	3
15BJ1A0133	RT32011	ENVIRONMENTAL ENGINEERING I	21	36	3
15BJ1A0133	RT32014	WATER RESOURCES ENGINEERING I	12	28	3
15BJ1A0133	RT32015	TRANSPORTATION ENGINEERING II	20	28	3

Htno	Subcode	Subname	Internal	External	Credits
15BJ1A0140	RT32012	GEOTECHNICAL ENGINEERING II	24	29	3
15BJ1A0150	RT32014	WATER RESOURCES ENGINEERING I	23	-1	0
15BJ1A0155	RT32011	ENVIRONMENTAL ENGINEERING I	27	36	3
15BJ1A0155	RT32014	WATER RESOURCES ENGINEERING I	17	26	3
15BJ1A0155	RT32015	TRANSPORTATION ENGINEERING II	20	32	3
15BJ1A0156	RT32011	ENVIRONMENTAL ENGINEERING I	7	-1	0
15BJ1A0156	RT32012	GEOTECHNICAL ENGINEERING II	3	-1	0
15BJ1A0156	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	22	-1	0
15BJ1A0156	RT32014	WATER RESOURCES ENGINEERING I	5	-1	0
15BJ1A0156	RT32015	TRANSPORTATION ENGINEERING II	10	-1	0
15BJ1A0156	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	-1	0
15BJ1A0156	RT32017	COMPUTER AIDED ENGINEERING DRAWING	0	40	2
15BJ1A0156	RT32018	TRANSPORTATION ENGINEERING LAB	19	42	2
15BJ1A0159	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	19	49	3
15BJ1A0159	RT32014	WATER RESOURCES ENGINEERING I	18	24	3
15BJ1A0159	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	21	30	3
15BJ1A0160	RT32012	GEOTECHNICAL ENGINEERING II	25	49	3
15BJ1A0162	RT32012	GEOTECHNICAL ENGINEERING II	21	29	3
15BJ1A0164	RT32012	GEOTECHNICAL ENGINEERING II	24	25	3
15BJ1A0173	RT32012	GEOTECHNICAL ENGINEERING II	17	26	3
15BJ1A0173	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	22	38	3
15BJ1A0175	RT32011	ENVIRONMENTAL ENGINEERING I	15	0	0
15BJ1A0175	RT32012	GEOTECHNICAL ENGINEERING II	20	5	0
15BJ1A0175	RT32014	WATER RESOURCES ENGINEERING I	20	0	0
15BJ1A0175	RT32015	TRANSPORTATION ENGINEERING II	17	11	0
15BJ1A0175	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	13	6	0
15BJ1A0176	RT32011	ENVIRONMENTAL ENGINEERING I	23	36	3
15BJ1A0176	RT32014	WATER RESOURCES ENGINEERING I	18	32	3
15BJ1A0177	RT32012	GEOTECHNICAL ENGINEERING II	20	24	3
15BJ1A0207	RT32022	SWITCHGEAR AND PROTECTION	24	19	0
15BJ1A0207	RT32026	POWER SEMICONDUCTOR DRIVES	24	19	0
15BJ1A0208	RT32022	SWITCHGEAR AND PROTECTION	27	19	0
15BJ1A0208	RT32024	POWER SYSTEM ANALYSIS	27	41	3
15BJ1A0212	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	30	3
15BJ1A0221	RT32021	MICROPROCESSORS & MICROCONTROLLERS	23	42	3
15BJ1A0221	RT32022	SWITCHGEAR AND PROTECTION	21	11	0
15BJ1A0221	RT32024	POWER SYSTEM ANALYSIS	23	16	0
15BJ1A0221	RT32026	POWER SEMICONDUCTOR DRIVES	18	9	0
15BJ1A0301	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	25	3
15BJ1A0301	RT32033	DESIGN OF MACHINE MEMBERS II	16	9	0
15BJ1A0301	RT32035	HEAT TRANSFER	16	10	0
15BJ1A0301	RT32037A	REFRIGERATION & AIR CONDITIONING	15	20	0
15BJ1A0308	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	14	0
15BJ1A0308	RT32034	ROBOTICS	21	32	3
15BJ1A0308	RT32035	HEAT TRANSFER	11	14	0
15BJ1A0309	RT32033	DESIGN OF MACHINE MEMBERS II	16	30	3
15BJ1A0309	RT32034	ROBOTICS	20	31	3
15BJ1A0310	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	16	0
15BJ1A0313	RT32031	OPERATIONS RESEARCH	18	19	0
15BJ1A0313	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	0	0

Htno	Subcode	Subname	Internal	External	Credits
15BJ1A0313	RT32033	DESIGN OF MACHINE MEMBERS II	16	15	0
15BJ1A0313	RT32034	ROBOTICS	18	11	0
15BJ1A0313	RT32035	HEAT TRANSFER	19	12	0
15BJ1A0313	RT32037A	REFRIGERATION & AIR CONDITIONING	15	0	0
15BJ1A0316	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	0	0
15BJ1A0316	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	1	0
15BJ1A0316	RT32037A	REFRIGERATION & AIR CONDITIONING	14	0	0
15BJ1A0318	RT32034	ROBOTICS	23	28	3
15BJ1A0321	RT32031	OPERATIONS RESEARCH	16	39	3
15BJ1A0322	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	12	0
15BJ1A0322	RT32034	ROBOTICS	25	28	3
15BJ1A0322	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	25	3
15BJ1A0323	RT32031	OPERATIONS RESEARCH	3	0	0
15BJ1A0323	RT32032	INTERACTIVE COMPUTER GRAPHICS	4	-1	0
15BJ1A0323	RT32033	DESIGN OF MACHINE MEMBERS II	0	0	0
15BJ1A0323	RT32034	ROBOTICS	4	13	0
15BJ1A0323	RT32035	HEAT TRANSFER	0	0	0
15BJ1A0323	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	5	-1	0
15BJ1A0323	RT32037A	REFRIGERATION & AIR CONDITIONING	2	-1	0
15BJ1A0323	RT32038	HEAT TRANSFER LAB	11	38	2
15BJ1A0325	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	24	3
15BJ1A0325	RT32035	HEAT TRANSFER	16	7	0
15BJ1A0328	RT32031	OPERATIONS RESEARCH	19	34	3
15BJ1A0328	RT32033	DESIGN OF MACHINE MEMBERS II	16	28	3
15BJ1A0328	RT32034	ROBOTICS	26	30	3
15BJ1A0328	RT32035	HEAT TRANSFER	13	17	0
15BJ1A0330	RT32034	ROBOTICS	25	28	3
15BJ1A0331	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	9	0
15BJ1A0331	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	25	3
15BJ1A0331	RT32037A	REFRIGERATION & AIR CONDITIONING	15	22	0
15BJ1A0332	RT32031	OPERATIONS RESEARCH	18	12	0
15BJ1A0332	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	14	0
15BJ1A0332	RT32035	HEAT TRANSFER	16	29	3
15BJ1A0334	RT32031	OPERATIONS RESEARCH	19	5	0
15BJ1A0334	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	-1	0
15BJ1A0334	RT32033	DESIGN OF MACHINE MEMBERS II	16	28	3
15BJ1A0334	RT32034	ROBOTICS	23	28	3
15BJ1A0334	RT32037A	REFRIGERATION & AIR CONDITIONING	21	31	3
15BJ1A0335	RT32033	DESIGN OF MACHINE MEMBERS II	13	19	0
15BJ1A0335	RT32034	ROBOTICS	22	28	3
15BJ1A0335	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	18	33	3
15BJ1A0335	RT32037A	REFRIGERATION & AIR CONDITIONING	14	28	3
15BJ1A0336	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	27	3
15BJ1A0345	RT32031	OPERATIONS RESEARCH	19	5	0
15BJ1A0345	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	6	0
15BJ1A0345	RT32037A	REFRIGERATION & AIR CONDITIONING	19	-1	0
15BJ1A0346	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	17	0
15BJ1A0346	RT32034	ROBOTICS	23	27	3
15BJ1A0346	RT32035	HEAT TRANSFER	25	24	3
15BJ1A0348	RT32031	OPERATIONS RESEARCH	7	5	0

Htno	Subcode	Subname	Internal	External	Credits
15BJ1A0348	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	8	0
15BJ1A0348	RT32033	DESIGN OF MACHINE MEMBERS II	9	0	0
15BJ1A0348	RT32034	ROBOTICS	19	16	0
15BJ1A0348	RT32035	HEAT TRANSFER	19	7	0
15BJ1A0348	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	11	2	0
15BJ1A0348	RT32037A	REFRIGERATION & AIR CONDITIONING	13	28	3
15BJ1A0349	RT32031	OPERATIONS RESEARCH	17	20	0
15BJ1A0350	RT32033	DESIGN OF MACHINE MEMBERS II	12	20	0
15BJ1A0350	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	19	26	3
15BJ1A0352	RT32031	OPERATIONS RESEARCH	14	16	0
15BJ1A0352	RT32033	DESIGN OF MACHINE MEMBERS II	13	21	0
15BJ1A0352	RT32034	ROBOTICS	24	27	3
15BJ1A0352	RT32035	HEAT TRANSFER	14	30	3
15BJ1A0352	RT32037A	REFRIGERATION & AIR CONDITIONING	18	24	3
15BJ1A0353	RT32031	OPERATIONS RESEARCH	23	0	0
15BJ1A0353	RT32034	ROBOTICS	21	0	0
15BJ1A0353	RT32037A	REFRIGERATION & AIR CONDITIONING	16	0	0
15BJ1A0356	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	26	3
15BJ1A0356	RT32035	HEAT TRANSFER	16	20	0
15BJ1A0359	RT32031	OPERATIONS RESEARCH	14	-1	0
15BJ1A0359	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	3	0
15BJ1A0359	RT32033	DESIGN OF MACHINE MEMBERS II	16	5	0
15BJ1A0359	RT32034	ROBOTICS	20	10	0
15BJ1A0359	RT32035	HEAT TRANSFER	12	6	0
15BJ1A0359	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	19	1	0
15BJ1A0359	RT32037A	REFRIGERATION & AIR CONDITIONING	17	5	0
15BJ1A0360	RT32031	OPERATIONS RESEARCH	8	0	0
15BJ1A0360	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	2	0
15BJ1A0360	RT32033	DESIGN OF MACHINE MEMBERS II	18	5	0
15BJ1A0360	RT32035	HEAT TRANSFER	14	9	0
15BJ1A0360	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	13	13	0
15BJ1A0360	RT32037A	REFRIGERATION & AIR CONDITIONING	17	5	0
15BJ1A0361	RT32031	OPERATIONS RESEARCH	16	19	0
15BJ1A0361	RT32032	INTERACTIVE COMPUTER GRAPHICS	19	14	0
15BJ1A0361	RT32033	DESIGN OF MACHINE MEMBERS II	12	28	3
15BJ1A0361	RT32034	ROBOTICS	23	11	0
15BJ1A0361	RT32035	HEAT TRANSFER	17	13	0
15BJ1A0361	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	16	10	0
15BJ1A0361	RT32037A	REFRIGERATION & AIR CONDITIONING	14	9	0
15BJ1A0361	RT32038	HEAT TRANSFER LAB	20	40	2
15BJ1A0362	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	24	3
15BJ1A0362	RT32035	HEAT TRANSFER	17	17	0
15BJ1A0363	RT32033	DESIGN OF MACHINE MEMBERS II	13	12	0
15BJ1A0363	RT32035	HEAT TRANSFER	14	16	0
15BJ1A0363	RT32037A	REFRIGERATION & AIR CONDITIONING	22	29	3
15BJ1A0364	RT32031	OPERATIONS RESEARCH	22	12	0
15BJ1A0364	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	16	0
15BJ1A0364	RT32034	ROBOTICS	25	16	0
15BJ1A0364	RT32037A	REFRIGERATION & AIR CONDITIONING	18	23	0
15BJ1A0365	RT32031	OPERATIONS RESEARCH	16	6	0



Htno	Subcode	Subname	Internal	External	Credits
15BJ1A0365	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	-1	0
15BJ1A0365	RT32033	DESIGN OF MACHINE MEMBERS II	16	27	3
15BJ1A0365	RT32034	ROBOTICS	23	6	0
15BJ1A0365	RT32035	HEAT TRANSFER	16	13	0
15BJ1A0365	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	19	0
15BJ1A0365	RT32037A	REFRIGERATION & AIR CONDITIONING	15	25	3
15BJ1A0365	RT32038	HEAT TRANSFER LAB	22	42	2
15BJ1A0366	RT32031	OPERATIONS RESEARCH	18	9	0
15BJ1A0366	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	28	3
15BJ1A0366	RT32033	DESIGN OF MACHINE MEMBERS II	16	19	0
15BJ1A0366	RT32035	HEAT TRANSFER	17	18	0
15BJ1A0368	RT32032	INTERACTIVE COMPUTER GRAPHICS	27	29	3
15BJ1A0370	RT32031	OPERATIONS RESEARCH	15	19	0
15BJ1A0370	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	16	0
15BJ1A0370	RT32037A	REFRIGERATION & AIR CONDITIONING	22	19	0
15BJ1A0371	RT32031	OPERATIONS RESEARCH	11	0	0
15BJ1A0371	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	6	0
15BJ1A0371	RT32033	DESIGN OF MACHINE MEMBERS II	16	11	0
15BJ1A0371	RT32034	ROBOTICS	21	0	0
15BJ1A0371	RT32035	HEAT TRANSFER	16	8	0
15BJ1A0371	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	14	0	0
15BJ1A0371	RT32037A	REFRIGERATION & AIR CONDITIONING	12	8	0
15BJ1A0373	RT32031	OPERATIONS RESEARCH	13	0	0
15BJ1A0373	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	1	0
15BJ1A0373	RT32035	HEAT TRANSFER	11	7	0
15BJ1A0373	RT32037A	REFRIGERATION & AIR CONDITIONING	16	0	0
15BJ1A0374	RT32031	OPERATIONS RESEARCH	16	15	0
15BJ1A0374	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	26	3
15BJ1A0374	RT32033	DESIGN OF MACHINE MEMBERS II	9	31	3
15BJ1A0374	RT32034	ROBOTICS	22	27	3
15BJ1A0374	RT32035	HEAT TRANSFER	17	0	0
15BJ1A0377	RT32031	OPERATIONS RESEARCH	18	17	0
15BJ1A0377	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	-1	0
15BJ1A0377	RT32033	DESIGN OF MACHINE MEMBERS II	12	0	0
15BJ1A0377	RT32034	ROBOTICS	23	28	3
15BJ1A0377	RT32035	HEAT TRANSFER	20	12	0
15BJ1A0377	RT32037A	REFRIGERATION & AIR CONDITIONING	17	5	0
15BJ1A0378	RT32033	DESIGN OF MACHINE MEMBERS II	13	35	3
15BJ1A0378	RT32035	HEAT TRANSFER	17	35	3
15BJ1A0378	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	10	2	0
15BJ1A0379	RT32031	OPERATIONS RESEARCH	16	30	3
15BJ1A0379	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	35	3
15BJ1A0379	RT32033	DESIGN OF MACHINE MEMBERS II	11	19	0
15BJ1A0379	RT32034	ROBOTICS	25	28	3
15BJ1A0379	RT32035	HEAT TRANSFER	19	0	0
15BJ1A0389	RT32031	OPERATIONS RESEARCH	13	21	0
15BJ1A0389	RT32033	DESIGN OF MACHINE MEMBERS II	11	20	0
15BJ1A0389	RT32035	HEAT TRANSFER	20	22	0
15BJ1A0390	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	34	3
15BJ1A0390	RT32033	DESIGN OF MACHINE MEMBERS II	10	22	0

Htno	Subcode	Subname	Internal	External	Credits
15BJ1A0390	RT32034	ROBOTICS	19	28	3
15BJ1A0390	RT32037A	REFRIGERATION & AIR CONDITIONING	13	28	3
15BJ1A0393	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	14	0
15BJ1A0395	RT32031	OPERATIONS RESEARCH	21	29	3
15BJ1A0401	RT32044	MICROWAVE ENGINEERING	23	41	3
15BJ1A0407	RT32043	DIGITAL COMMUNICATIONS	20	9	0
15BJ1A0407	RT32044	MICROWAVE ENGINEERING	21	0	0
15BJ1A0408	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	15	35	3
15BJ1A0408	RT32043	DIGITAL COMMUNICATIONS	18	20	0
15BJ1A0408	RT32044	MICROWAVE ENGINEERING	19	33	3
15BJ1A0410	RT32044	MICROWAVE ENGINEERING	19	32	3
15BJ1A0413	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	17	0
15BJ1A0415	RT32043	DIGITAL COMMUNICATIONS	22	32	3
15BJ1A0417	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	15	5	0
15BJ1A0417	RT32043	DIGITAL COMMUNICATIONS	22	13	0
15BJ1A0417	RT32044	MICROWAVE ENGINEERING	17	0	0
15BJ1A0422	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	16	0	0
15BJ1A0422	RT32042	DIGITAL SIGNAL PROCESSING	21	6	0
15BJ1A0422	RT32043	DIGITAL COMMUNICATIONS	17	7	0
15BJ1A0422	RT32045A	BIO MEDICAL ENGINEERING	21	32	3
15BJ1A0423	RT32044	MICROWAVE ENGINEERING	23	17	0
15BJ1A0425	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	16	14	0
15BJ1A0425	RT32042	DIGITAL SIGNAL PROCESSING	21	6	0
15BJ1A0425	RT32043	DIGITAL COMMUNICATIONS	20	8	0
15BJ1A0425	RT32044	MICROWAVE ENGINEERING	19	0	0
15BJ1A0425	RT32045A	BIO MEDICAL ENGINEERING	19	29	3
15BJ1A0426	RT32044	MICROWAVE ENGINEERING	20	0	0
15BJ1A0428	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	15	0	0
15BJ1A0428	RT32042	DIGITAL SIGNAL PROCESSING	21	0	0
15BJ1A0428	RT32043	DIGITAL COMMUNICATIONS	17	0	0
15BJ1A0428	RT32044	MICROWAVE ENGINEERING	16	0	0
15BJ1A0428	RT32045A	BIO MEDICAL ENGINEERING	21	6	0
15BJ1A0430	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	16	42	3
15BJ1A0430	RT32042	DIGITAL SIGNAL PROCESSING	20	31	3
15BJ1A0434	RT32042	DIGITAL SIGNAL PROCESSING	22	15	0
15BJ1A0434	RT32044	MICROWAVE ENGINEERING	21	0	0
15BJ1A0434	RT32045A	BIO MEDICAL ENGINEERING	16	30	3
15BJ1A0435	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	15	0
15BJ1A0435	RT32043	DIGITAL COMMUNICATIONS	14	9	0
15BJ1A0435	RT32044	MICROWAVE ENGINEERING	16	29	3
15BJ1A0437	RT32044	MICROWAVE ENGINEERING	24	32	3
15BJ1A0440	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	28	3
15BJ1A0440	RT32042	DIGITAL SIGNAL PROCESSING	18	8	0
15BJ1A0440	RT32043	DIGITAL COMMUNICATIONS	25	8	0
15BJ1A0440	RT32044	MICROWAVE ENGINEERING	19	0	0
15BJ1A0445	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	12	18	0
15BJ1A0445	RT32042	DIGITAL SIGNAL PROCESSING	21	15	0
15BJ1A0445	RT32043	DIGITAL COMMUNICATIONS	24	13	0
15BJ1A0445	RT32044	MICROWAVE ENGINEERING	21	35	3
15BJ1A0445	RT32045A	BIO MEDICAL ENGINEERING	20	36	3

Htno	Subcode	Subname	Internal	External	Credits
15BJ1A0450	RT32042	DIGITAL SIGNAL PROCESSING	18	13	0
15BJ1A0450	RT32043	DIGITAL COMMUNICATIONS	18	7	0
15BJ1A0450	RT32044	MICROWAVE ENGINEERING	18	13	0
15BJ1A0452	RT32043	DIGITAL COMMUNICATIONS	16	16	0
15BJ1A0454	RT32042	DIGITAL SIGNAL PROCESSING	23	7	0
15BJ1A0454	RT32043	DIGITAL COMMUNICATIONS	23	6	0
15BJ1A0454	RT32045A	BIO MEDICAL ENGINEERING	18	29	3
15BJ1A0460	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	13	28	3
15BJ1A0460	RT32042	DIGITAL SIGNAL PROCESSING	24	15	0
15BJ1A0460	RT32044	MICROWAVE ENGINEERING	22	34	3
15BJ1A0461	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	13	-1	0
15BJ1A0461	RT32043	DIGITAL COMMUNICATIONS	17	-1	0
15BJ1A0461	RT32044	MICROWAVE ENGINEERING	18	-1	0
15BJ1A0461	RT32045A	BIO MEDICAL ENGINEERING	14	-1	0
15BJ1A0462	RT32043	DIGITAL COMMUNICATIONS	20	24	3
15BJ1A0462	RT32044	MICROWAVE ENGINEERING	21	31	3
15BJ1A0464	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	19	47	3
15BJ1A0467	RT32044	MICROWAVE ENGINEERING	23	14	0
15BJ1A0468	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	14	22	0
15BJ1A0469	RT32043	DIGITAL COMMUNICATIONS	27	17	0
15BJ1A0469	RT32044	MICROWAVE ENGINEERING	22	30	3
15BJ1A0470	RT32043	DIGITAL COMMUNICATIONS	15	5	0
15BJ1A0470	RT32044	MICROWAVE ENGINEERING	21	28	3
15BJ1A0470	RT32045A	BIO MEDICAL ENGINEERING	13	29	3
15BJ1A0471	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	12	32	3
15BJ1A0471	RT32044	MICROWAVE ENGINEERING	17	32	3
15BJ1A0471	RT32045A	BIO MEDICAL ENGINEERING	16	52	3
15BJ1A0474	RT32042	DIGITAL SIGNAL PROCESSING	18	18	0
15BJ1A0474	RT32043	DIGITAL COMMUNICATIONS	23	18	0
15BJ1A0474	RT32044	MICROWAVE ENGINEERING	24	14	0
15BJ1A0485	RT32044	MICROWAVE ENGINEERING	23	15	0
15BJ1A0485	RT32045A	BIO MEDICAL ENGINEERING	21	47	3
15BJ1A0501	RT32051	SOFTWARE ENGINEERING	8	28	0
15BJ1A0501	RT32053	COMPUTER NETWORKS	11	32	3
15BJ1A0502	RT32052	DATA WARE HOUSING AND MINING	26	19	0
15BJ1A0502	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	19	20	0
15BJ1A0504	RT32053	COMPUTER NETWORKS	21	28	3
15BJ1A0504	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	29	3
15BJ1A0507	RT32051	SOFTWARE ENGINEERING	17	28	3
15BJ1A0507	RT32052	DATA WARE HOUSING AND MINING	23	9	0
15BJ1A0507	RT32053	COMPUTER NETWORKS	20	28	3
15BJ1A0507	RT32055	WEB TECHNOLOGIES	20	36	3
15BJ1A0507	RT32056	IPR AND PATENTS	17	39	2
15BJ1A0510	RT32052	DATA WARE HOUSING AND MINING	22	9	0
15BJ1A0510	RT32053	COMPUTER NETWORKS	24	19	0
15BJ1A0519	RT32051	SOFTWARE ENGINEERING	19	15	0
15BJ1A0519	RT32052	DATA WARE HOUSING AND MINING	21	6	0
15BJ1A0519	RT32053	COMPUTER NETWORKS	18	9	0
15BJ1A0519	RT32055	WEB TECHNOLOGIES	18	-1	0
15BJ1A0519	RT32056	IPR AND PATENTS	20	-1	0

Htno	Subcode	Subname	Internal	External	Credits
15BJ1A0521	RT32051	SOFTWARE ENGINEERING	4	0	0
15BJ1A0521	RT32052	DATA WARE HOUSING AND MINING	0	5	0
15BJ1A0521	RT32053	COMPUTER NETWORKS	0	5	0
15BJ1A0521	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	0	0	0
15BJ1A0521	RT32055	WEB TECHNOLOGIES	0	6	0
15BJ1A0521	RT32056	IPR AND PATENTS	4	6	0
15BJ1A0521	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	14	41	2
15BJ1A0521	RT32058	SOFTWARE ENGINEERING LAB	14	40	2
15BJ1A0521	RT32059	WEB TECHNOLOGIES LAB	13	41	2
15BJ1A0528	RT32052	DATA WARE HOUSING AND MINING	20	15	0
15BJ1A0529	RT32051	SOFTWARE ENGINEERING	18	26	3
15BJ1A0529	RT32052	DATA WARE HOUSING AND MINING	19	13	0
15BJ1A0529	RT32053	COMPUTER NETWORKS	20	37	3
15BJ1A0529	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	24	3
15BJ1A0529	RT32055	WEB TECHNOLOGIES	8	33	3
15BJ1A0529	RT32056	IPR AND PATENTS	19	31	2
15BJ1A0529	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	15	42	2
15BJ1A0529	RT32058	SOFTWARE ENGINEERING LAB	15	41	2
15BJ1A0529	RT32059	WEB TECHNOLOGIES LAB	15	42	2
15BJ1A0530	RT32051	SOFTWARE ENGINEERING	19	10	0
15BJ1A0530	RT32052	DATA WARE HOUSING AND MINING	16	0	0
15BJ1A0530	RT32053	COMPUTER NETWORKS	18	41	3
15BJ1A0530	RT32055	WEB TECHNOLOGIES	16	0	0
15BJ1A0530	RT32056	IPR AND PATENTS	20	32	2
15BJ1A0531	RT32051	SOFTWARE ENGINEERING	22	24	3
15BJ1A0531	RT32053	COMPUTER NETWORKS	26	33	3
15BJ1A0531	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	19	19	0
15BJ1A0532	RT32052	DATA WARE HOUSING AND MINING	24	18	0
15BJ1A0533	RT32052	DATA WARE HOUSING AND MINING	21	12	0
15BJ1A0533	RT32055	WEB TECHNOLOGIES	14	25	0
15BJ1A0534	RT32052	DATA WARE HOUSING AND MINING	21	28	3
15BJ1A0534	RT32053	COMPUTER NETWORKS	25	42	3
15BJ1A0536	RT32055	WEB TECHNOLOGIES	16	13	0
15BJ1A0542	RT32053	COMPUTER NETWORKS	24	42	3
15BJ1A0542	RT32055	WEB TECHNOLOGIES	23	33	3
15BJ1A0542	RT32056	IPR AND PATENTS	24	29	2
15BJ1A0545	RT32052	DATA WARE HOUSING AND MINING	22	15	0
15BJ1A0546	RT32051	SOFTWARE ENGINEERING	18	18	0
15BJ1A0546	RT32053	COMPUTER NETWORKS	16	28	3
15BJ1A0546	RT32055	WEB TECHNOLOGIES	18	32	3
15BJ1A0546	RT32056	IPR AND PATENTS	20	28	2
15BJ1A0548	RT32053	COMPUTER NETWORKS	17	33	3
15BJ1A0548	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	29	3
15BJ1A0548	RT32055	WEB TECHNOLOGIES	14	10	0
15BJ1A0549	RT32052	DATA WARE HOUSING AND MINING	27	43	3
15BJ1A0551	RT32052	DATA WARE HOUSING AND MINING	22	36	3
15BJ1A0554	RT32053	COMPUTER NETWORKS	18	32	3
15BJ1A0554	RT32055	WEB TECHNOLOGIES	15	38	3
15BJ1A0556	RT32051	SOFTWARE ENGINEERING	17	6	0
15BJ1A0556	RT32052	DATA WARE HOUSING AND MINING	20	-1	0

Htno	Subcode	Subname	Internal	External	Credits
15BJ1A0556	RT32053	COMPUTER NETWORKS	19	30	3
15BJ1A0556	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	0	0
15BJ1A0556	RT32055	WEB TECHNOLOGIES	11	5	0
15BJ1A0556	RT32056	IPR AND PATENTS	17	24	2
15BJ1A0556	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	15	42	2
15BJ1A0556	RT32058	SOFTWARE ENGINEERING LAB	15	41	2
15BJ1A0556	RT32059	WEB TECHNOLOGIES LAB	13	41	2
15BJ1A0558	RT32051	SOFTWARE ENGINEERING	22	16	0
15BJ1A0558	RT32052	DATA WARE HOUSING AND MINING	23	16	0
15BJ1A0558	RT32053	COMPUTER NETWORKS	17	28	3
15BJ1A0558	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	8	0
15BJ1A0558	RT32056	IPR AND PATENTS	15	27	2
15BJ1A0558	RT32058	SOFTWARE ENGINEERING LAB	15	42	2
15BJ1A0560	RT32052	DATA WARE HOUSING AND MINING	19	8	0
15BJ1A0560	RT32053	COMPUTER NETWORKS	19	28	3
15BJ1A0560	RT32056	IPR AND PATENTS	15	27	2
15BJ1A0564	RT32052	DATA WARE HOUSING AND MINING	23	28	3
15BJ1A0566	RT32055	WEB TECHNOLOGIES	17	19	0
15BJ1A0566	RT32056	IPR AND PATENTS	17	39	2
15BJ1A0568	RT32055	WEB TECHNOLOGIES	19	18	0
15BJ1A0568	RT32056	IPR AND PATENTS	21	30	2
15BJ1A0569	RT32053	COMPUTER NETWORKS	25	40	3
15BJ1A0573	RT32051	SOFTWARE ENGINEERING	17	24	3
15BJ1A0573	RT32053	COMPUTER NETWORKS	22	37	3
15BJ1A0573	RT32055	WEB TECHNOLOGIES	19	34	3
15BJ1A0574	RT32053	COMPUTER NETWORKS	19	25	3
15BJ1A0577	RT32053	COMPUTER NETWORKS	20	36	3
15BJ1A0579	RT32052	DATA WARE HOUSING AND MINING	19	7	0
15BJ1A0581	RT32051	SOFTWARE ENGINEERING	22	28	3
15BJ1A0581	RT32052	DATA WARE HOUSING AND MINING	20	16	0
15BJ1A0581	RT32053	COMPUTER NETWORKS	21	28	3
15BJ1A0581	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	20	0	0
15BJ1A0581	RT32055	WEB TECHNOLOGIES	18	39	3
15BJ1A0581	RT32056	IPR AND PATENTS	19	34	2
15BJ1A0582	RT32053	COMPUTER NETWORKS	19	32	3
15BJ1A0584	RT32052	DATA WARE HOUSING AND MINING	21	30	3
15BJ1A0585	RT32051	SOFTWARE ENGINEERING	25	31	3
15BJ1A0585	RT32053	COMPUTER NETWORKS	23	29	3
15BJ1A0587	RT32052	DATA WARE HOUSING AND MINING	22	19	0
15BJ1A0587	RT32053	COMPUTER NETWORKS	21	24	3
15BJ1A0587	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	13	0
15BJ1A0589	RT32052	DATA WARE HOUSING AND MINING	23	15	0
15BJ1A0590	RT32051	SOFTWARE ENGINEERING	25	28	3
15BJ1A0592	RT32053	COMPUTER NETWORKS	19	28	3
15BJ1A0593	RT32055	WEB TECHNOLOGIES	12	5	0
15BJ1A0593	RT32056	IPR AND PATENTS	21	24	2
15BJ1A0596	RT32051	SOFTWARE ENGINEERING	21	19	0
15BJ1A0596	RT32052	DATA WARE HOUSING AND MINING	16	16	0
15BJ1A0596	RT32053	COMPUTER NETWORKS	19	24	3
15BJ1A0596	RT32055	WEB TECHNOLOGIES	16	24	3

Htno	Subcode	Subname	Internal	External	Credits
15BJ1A05A2	RT32052	DATA WARE HOUSING AND MINING	20	11	0
15BJ1A05A3	RT32051	SOFTWARE ENGINEERING	23	31	3
15BJ1A05A3	RT32053	COMPUTER NETWORKS	19	28	3
15BJ1A05A4	RT32052	DATA WARE HOUSING AND MINING	20	7	0
15BJ1A05A4	RT32053	COMPUTER NETWORKS	16	15	0
15BJ1A05A4	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	12	0
15BJ1A05A5	RT32053	COMPUTER NETWORKS	18	29	3
15BJ1A05A9	RT32053	COMPUTER NETWORKS	21	30	3
15BJ1A05B3	RT32051	SOFTWARE ENGINEERING	21	33	3
15BJ1A05B3	RT32053	COMPUTER NETWORKS	19	28	3
15BJ1A05B4	RT32052	DATA WARE HOUSING AND MINING	19	13	0
15BJ1A05C3	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	9	0
15BJ1A05C9	RT32051	SOFTWARE ENGINEERING	20	23	0
15BJ1A05D2	RT32053	COMPUTER NETWORKS	22	28	3
15BJ5A0108	RT32012	GEOTECHNICAL ENGINEERING II	16	20	0
15BJ5A0116	RT32012	GEOTECHNICAL ENGINEERING II	13	30	3
15BJ5A0117	RT32011	ENVIRONMENTAL ENGINEERING I	5	31	0
15BJ5A0117	RT32012	GEOTECHNICAL ENGINEERING II	5	35	3
15BJ5A0117	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	15	31	3
15BJ5A0117	RT32014	WATER RESOURCES ENGINEERING I	3	30	0
15BJ5A0117	RT32015	TRANSPORTATION ENGINEERING II	5	29	0
15BJ5A0117	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	5	24	0
15BJ5A0117	RT32017	COMPUTER AIDED ENGINEERING DRAWING	18	40	2
15BJ5A0117	RT32018	TRANSPORTATION ENGINEERING LAB	13	40	2
15BJ5A0119	RT32015	TRANSPORTATION ENGINEERING II	20	26	3
15BJ5A0121	RT32012	GEOTECHNICAL ENGINEERING II	15	0	0
15BJ5A0121	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	15	-1	0
15BJ5A0121	RT32015	TRANSPORTATION ENGINEERING II	19	-1	0
15BJ5A0206	RT32021	MICROPROCESSORS & MICROCONTROLLERS	16	21	0
15BJ5A0206	RT32022	SWITCHGEAR AND PROTECTION	13	8	0
15BJ5A0206	RT32023	UTILIZATION OF ELECTRICAL ENERGY	16	0	0
15BJ5A0206	RT32024	POWER SYSTEM ANALYSIS	17	8	0
15BJ5A0206	RT32025	MANAGEMENT SCIENCE	20	8	0
15BJ5A0206	RT32026	POWER SEMICONDUCTOR DRIVES	14	11	0
15BJ5A0212	RT32026	POWER SEMICONDUCTOR DRIVES	24	20	0
15BJ5A0216	RT32022	SWITCHGEAR AND PROTECTION	18	7	0
15BJ5A0216	RT32024	POWER SYSTEM ANALYSIS	22	28	3
15BJ5A0217	RT32024	POWER SYSTEM ANALYSIS	26	-1	0
15BJ5A0217	RT32026	POWER SEMICONDUCTOR DRIVES	16	-1	0
15BJ5A0306	RT32031	OPERATIONS RESEARCH	13	-1	0
15BJ5A0306	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	-1	0
15BJ5A0306	RT32033	DESIGN OF MACHINE MEMBERS II	12	-1	0
15BJ5A0306	RT32034	ROBOTICS	0	-1	0
15BJ5A0306	RT32035	HEAT TRANSFER	22	-1	0
15BJ5A0306	RT32037A	REFRIGERATION & AIR CONDITIONING	20	-1	0
15BJ5A0312	RT32035	HEAT TRANSFER	22	13	0
15BJ5A0405	RT32045A	BIO MEDICAL ENGINEERING	20	24	3
15BJ5A0416	RT32042	DIGITAL SIGNAL PROCESSING	17	29	3
15BJ5A0417	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	15	18	0
15KT1A0519	RT32052	DATA WARE HOUSING AND MINING	14	8	0

Htno	Subcode	Subname	Internal	External	Credits
15KT1A0519	RT32053	COMPUTER NETWORKS	15	21	0
15KT1A0519	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	11	12	0
15KT1A0519	RT32055	WEB TECHNOLOGIES	10	11	0
16BJ5A0103	RT32012	GEOTECHNICAL ENGINEERING II	23	30	3
16BJ5A0106	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	17	24	3
16BJ5A0108	RT32012	GEOTECHNICAL ENGINEERING II	20	19	0
16BJ5A0108	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	19	44	3
16BJ5A0108	RT32014	WATER RESOURCES ENGINEERING I	21	30	3
16BJ5A0112	RT32012	GEOTECHNICAL ENGINEERING II	17	24	3
16BJ5A0117	RT32011	ENVIRONMENTAL ENGINEERING I	4	-1	0
16BJ5A0119	RT32012	GEOTECHNICAL ENGINEERING II	18	19	0
16BJ5A0119	RT32014	WATER RESOURCES ENGINEERING I	18	26	3
16BJ5A0120	RT32014	WATER RESOURCES ENGINEERING I	18	26	3
16BJ5A0202	RT32024	POWER SYSTEM ANALYSIS	22	43	3
16BJ5A0202	RT32026	POWER SEMICONDUCTOR DRIVES	25	19	0
16BJ5A0205	RT32026	POWER SEMICONDUCTOR DRIVES	26	29	3
16BJ5A0206	RT32024	POWER SYSTEM ANALYSIS	20	52	3
16BJ5A0208	RT32024	POWER SYSTEM ANALYSIS	25	13	0
16BJ5A0208	RT32025	MANAGEMENT SCIENCE	22	-1	0
16BJ5A0210	RT32022	SWITCHGEAR AND PROTECTION	24	24	3
16BJ5A0210	RT32024	POWER SYSTEM ANALYSIS	23	36	3
16BJ5A0210	RT32026	POWER SEMICONDUCTOR DRIVES	20	10	0
16BJ5A0211	RT32024	POWER SYSTEM ANALYSIS	17	38	3
16BJ5A0212	RT32021	MICROPROCESSORS & MICROCONTROLLERS	17	-1	0
16BJ5A0212	RT32024	POWER SYSTEM ANALYSIS	14	-1	0
16BJ5A0215	RT32024	POWER SYSTEM ANALYSIS	21	37	3
16BJ5A0215	RT32025	MANAGEMENT SCIENCE	19	26	3
16BJ5A0215	RT32026	POWER SEMICONDUCTOR DRIVES	22	12	0
16BJ5A0227	RT32026	POWER SEMICONDUCTOR DRIVES	25	12	0
16BJ5A0303	RT32031	OPERATIONS RESEARCH	17	30	3
16BJ5A0303	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	26	3
16BJ5A0303	RT32037A	REFRIGERATION & AIR CONDITIONING	17	0	0
16BJ5A0305	RT32031	OPERATIONS RESEARCH	21	9	0
16BJ5A0305	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	26	3
16BJ5A0305	RT32033	DESIGN OF MACHINE MEMBERS II	13	31	3
16BJ5A0306	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	33	3
16BJ5A0310	RT32032	INTERACTIVE COMPUTER GRAPHICS	27	-1	0
16BJ5A0311	RT32034	ROBOTICS	26	28	3
16BJ5A0311	RT32035	HEAT TRANSFER	17	19	0
16BJ5A0315	RT32033	DESIGN OF MACHINE MEMBERS II	13	41	3
16BJ5A0316	RT32032	INTERACTIVE COMPUTER GRAPHICS	27	35	3
16BJ5A0317	RT32034	ROBOTICS	23	30	3
16BJ5A0317	RT32035	HEAT TRANSFER	14	11	0
16BJ5A0320	RT32031	OPERATIONS RESEARCH	6	-1	0
16BJ5A0320	RT32032	INTERACTIVE COMPUTER GRAPHICS	4	-1	0
16BJ5A0320	RT32033	DESIGN OF MACHINE MEMBERS II	4	-1	0
16BJ5A0320	RT32034	ROBOTICS	12	-1	0
16BJ5A0320	RT32035	HEAT TRANSFER	0	-1	0
16BJ5A0320	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	4	-1	0
16BJ5A0320	RT32037A	REFRIGERATION & AIR CONDITIONING	8	-1	0

Htno	Subcode	Subname	Internal	External	Credits
16BJ5A0320	RT32038	HEAT TRANSFER LAB	11	41	2
16BJ5A0404	RT32044	MICROWAVE ENGINEERING	26	34	3
16BJ5A0409	RT32044	MICROWAVE ENGINEERING	22	35	3
16BJ5A0506	RT32053	COMPUTER NETWORKS	20	28	3
16BJ5A0506	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	17	12	0
16BJ5A0507	RT32051	SOFTWARE ENGINEERING	20	-1	0
16BJ5A0507	RT32052	DATA WARE HOUSING AND MINING	21	-1	0
16BJ5A0507	RT32053	COMPUTER NETWORKS	20	-1	0
16BJ5A0507	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	-1	0
16BJ5A0507	RT32055	WEB TECHNOLOGIES	15	-1	0
16BJ5A0507	RT32056	IPR AND PATENTS	22	-1	0
16BJ5A0507	RT32057	COMPUTER NETWORKS AND NETWORK PROGRAMMING	14	43	2
16BJ5A0507	RT32058	SOFTWARE ENGINEERING LAB	16	41	2
16BJ5A0507	RT32059	WEB TECHNOLOGIES LAB	14	42	2
16BJ5A0508	RT32052	DATA WARE HOUSING AND MINING	24	6	0
16BJ5A0508	RT32053	COMPUTER NETWORKS	23	13	0
16BJ5A0508	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	0	0

\*\*NOTE:1 [Last Date for Apply Recounting/Revaluation/Challenge By Revaluation: 04-02-2019]

\*\*NOTE:2 [Please inform to the students enter these subject codes for applying Recounting/Revaluation/Challenge By Revaluation]

\*\* 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:23-01-2019

*N. Mohan Rao*  
Controller of Examinations