



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results for IV B.Tech I Semester Regular/Supplementary Examination Nov-2017

College: DADI INSTT. OF ENGG. & TECH., GAVARAPALEM, ANAKAPALLE:U4

Htno	Subcode	Subname	Internal	External	Credits
10U41A0421	R41041	OPTICAL COMMUNICATIONS	0	12	0
10U41A0421	R41042	EMBEDDED SYSTEMS	0	10	0
10U41A0421	R41043	DIGITAL IMAGE PROCESSING	0	-1	0
10U41A0421	R41044	RADAR SYSTEMS	0	-1	0
10U41A0421	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	0	-1	0
10U41A0421	R41048	BIO-MEDICAL ENGINEERING	0	-1	0
10U41A0424	R41041	OPTICAL COMMUNICATIONS	18	24	0
10U41A0466	R41042	EMBEDDED SYSTEMS	16	11	0
10U41A0466	R41043	DIGITAL IMAGE PROCESSING	17	-1	0
10U41A0466	R41044	RADAR SYSTEMS	22	-1	0
10U41A1218	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	6	17	0
11U41A0251	R41023	SWITCH GEAR & PROTECTION	17	-1	0
11U41A0251	R41024	POWER SYSTEM OPERATION & CONTROL	12	-1	0
11U41A0259	R41024	POWER SYSTEM OPERATION & CONTROL	17	-1	0
12U41A0118	R41014	REMOTE SENSING AND GIS APPLICATIONS	8	-1	0
12U41A0133	R41011	GEOTECHNICAL ENGINEERING_II	13	22	0
12U41A0205	R41024	POWER SYSTEM OPERATION & CONTROL	21	6	0
12U41A0206	R41022	HIGH VOLTAGE ENGINEERING	22	-1	0
12U41A0206	R41024	POWER SYSTEM OPERATION & CONTROL	19	-1	0
12U41A0209	R41021	COMPUTER ORGANIZATION	13	-1	0
12U41A0209	R41024	POWER SYSTEM OPERATION & CONTROL	18	-1	0
12U41A0219	R41022	HIGH VOLTAGE ENGINEERING	19	-1	0
12U41A0219	R41024	POWER SYSTEM OPERATION & CONTROL	22	-1	0
12U41A0219	R41026	INSTRUMENTATION	15	-1	0
12U41A0419	R41041	OPTICAL COMMUNICATIONS	23	-1	0
12U41A0452	R41041	OPTICAL COMMUNICATIONS	17	6	0
12U41A0452	R41042	EMBEDDED SYSTEMS	24	19	0
12U41A0452	R41043	DIGITAL IMAGE PROCESSING	20	-1	0
12U41A0456	RT41043	DIGITAL IMAGE PROCESSING	15	-1	0
12U41A0456	RT4104A	OPTICAL COMMUNICATION	21	0	0
12U41A0459	R41041	OPTICAL COMMUNICATIONS	18	18	0
12U41A0459	R41043	DIGITAL IMAGE PROCESSING	17	24	0
12U41A0459	R41048	BIO-MEDICAL ENGINEERING	23	22	0
12U41A0484	R41041	OPTICAL COMMUNICATIONS	19	-1	0
12U41A0484	R41042	EMBEDDED SYSTEMS	25	-1	0
12U41A0484	R41043	DIGITAL IMAGE PROCESSING	20	-1	0
12U41A0484	R41044	RADAR SYSTEMS	24	-1	0
12U41A0484	R41048	BIO-MEDICAL ENGINEERING	24	-1	0
12U41A0487	R41041	OPTICAL COMMUNICATIONS	13	8	0
12U41A0487	R41042	EMBEDDED SYSTEMS	12	-1	0
12U41A0487	R41043	DIGITAL IMAGE PROCESSING	18	0	0
12U41A0487	R41044	RADAR SYSTEMS	20	-1	0
12U41A0487	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	17	-1	0
12U41A0487	R41048	BIO-MEDICAL ENGINEERING	23	-1	0

Htno	Subcode	Subname	Internal	External	Credits
12U41A0491	R41043	DIGITAL IMAGE PROCESSING	18	16	0
12U41A0503	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	2	0	0
12U41A0503	R41052	UML & DESIGN PATTERNS	11	0	0
12U41A0503	R41053	DATA WARE HOUSING AND DATA MINING	11	0	0
12U41A0503	R41054	MOBILE COMPUTING	9	-1	0
12U41A0534	R41054	MOBILE COMPUTING	17	30	4
12U41A0553	R41052	UML & DESIGN PATTERNS	21	15	0
12U41A0553	R41053	DATA WARE HOUSING AND DATA MINING	20	9	0
12U41A0553	R41054	MOBILE COMPUTING	22	-1	0
13U41A0103	RT41014	WATER RESOURCES ENGINEERING - II	23	26	3
13U41A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	20	36	3
13U41A0104	RT41012	PRESTRESSED CONCRETE	23	48	3
13U41A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	45	3
13U41A0104	RT41014	WATER RESOURCES ENGINEERING - II	21	0	0
13U41A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	41	3
13U41A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	28	3
13U41A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	42	2
13U41A0104	RT4101M	GIS AND CAD LAB	21	42	2
13U41A0106	RT41011	ENVIRONMENTAL ENGINEERING- II	17	41	3
13U41A0106	RT41012	PRESTRESSED CONCRETE	22	32	3
13U41A0106	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	37	3
13U41A0106	RT41014	WATER RESOURCES ENGINEERING - II	20	15	0
13U41A0106	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	16	0
13U41A0106	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	35	3
13U41A0106	RT4101L	ENVIRONMENTAL ENGINEERING LAB	16	40	2
13U41A0106	RT4101M	GIS AND CAD LAB	19	40	2
13U41A0109	RT41011	ENVIRONMENTAL ENGINEERING- II	21	24	3
13U41A0109	RT41012	PRESTRESSED CONCRETE	22	16	0
13U41A0109	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	53	3
13U41A0109	RT41014	WATER RESOURCES ENGINEERING - II	19	29	3
13U41A0109	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	33	3
13U41A0109	RT41016	GROUND IMPROVEMENT TECHNIQUES	15	43	3
13U41A0109	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	40	2
13U41A0109	RT4101M	GIS AND CAD LAB	21	41	2
13U41A0422	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	43	3
13U41A0429	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	55	3
13U45A0209	R41021	COMPUTER ORGANIZATION	22	40	4
13U45A0212	R41021	COMPUTER ORGANIZATION	19	31	4
13U45A0212	R41026	INSTRUMENTATION	20	22	0
13U45A0225	R41021	COMPUTER ORGANIZATION	17	33	4
13U45A0225	R41024	POWER SYSTEM OPERATION & CONTROL	20	8	0
13U45A0226	R41023	SWITCH GEAR & PROTECTION	21	31	4
13U45A0241	R41021	COMPUTER ORGANIZATION	24	26	4
13U45A0241	R41022	HIGH VOLTAGE ENGINEERING	20	15	0
13U45A0241	R41024	POWER SYSTEM OPERATION & CONTROL	20	10	0
13U45A0241	R41026	INSTRUMENTATION	19	11	0
13U45A0244	R41021	COMPUTER ORGANIZATION	19	29	4
13U45A0244	R41026	INSTRUMENTATION	20	-1	0
13U45A0254	R41026	INSTRUMENTATION	23	-1	0
14HN1A0213	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	44	3

Htno	Subcode	Subname	Internal	External	Credits
14HN1A0213	RT41022	HVAC AND DC TRANSMISSION	26	30	3
14HN1A0213	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	35	3
14HN1A0213	RT41025	INSTRUMENTATION	20	53	3
14HN1A0213	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	35	3
14HN1A0213	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	40	2
14HN1A0213	RT4102M	ELECTRICAL SIMULATION LAB	25	48	2
14HN1A0213	RT4102N	POWER SYSTEMS LAB	24	48	2
14U41A0101	RT41011	ENVIRONMENTAL ENGINEERING- II	21	-1	0
14U41A0101	RT41012	PRESTRESSED CONCRETE	24	40	3
14U41A0101	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	53	3
14U41A0101	RT41014	WATER RESOURCES ENGINEERING - II	22	50	3
14U41A0101	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	57	3
14U41A0101	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	46	3
14U41A0101	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	41	2
14U41A0101	RT4101M	GIS AND CAD LAB	25	45	2
14U41A0102	RT41011	ENVIRONMENTAL ENGINEERING- II	23	39	3
14U41A0102	RT41012	PRESTRESSED CONCRETE	19	44	3
14U41A0102	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	45	3
14U41A0102	RT41014	WATER RESOURCES ENGINEERING - II	24	27	3
14U41A0102	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	50	3
14U41A0102	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	41	3
14U41A0102	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	42	2
14U41A0102	RT4101M	GIS AND CAD LAB	23	42	2
14U41A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	21	32	3
14U41A0104	RT41012	PRESTRESSED CONCRETE	23	12	0
14U41A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	3	0
14U41A0104	RT41014	WATER RESOURCES ENGINEERING - II	21	31	3
14U41A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	27	3
14U41A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	15	0
14U41A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	40	2
14U41A0104	RT4101M	GIS AND CAD LAB	19	44	2
14U41A0105	RT41011	ENVIRONMENTAL ENGINEERING- II	21	37	3
14U41A0105	RT41012	PRESTRESSED CONCRETE	19	37	3
14U41A0105	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	60	3
14U41A0105	RT41014	WATER RESOURCES ENGINEERING - II	19	30	3
14U41A0105	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	38	3
14U41A0105	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	45	3
14U41A0105	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	41	2
14U41A0105	RT4101M	GIS AND CAD LAB	25	45	2
14U41A0106	RT41011	ENVIRONMENTAL ENGINEERING- II	21	49	3
14U41A0106	RT41012	PRESTRESSED CONCRETE	20	36	3
14U41A0106	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	43	3
14U41A0106	RT41014	WATER RESOURCES ENGINEERING - II	21	46	3
14U41A0106	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	49	3
14U41A0106	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	46	3
14U41A0106	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	44	2
14U41A0106	RT4101M	GIS AND CAD LAB	23	46	2
14U41A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	21	30	3
14U41A0107	RT41012	PRESTRESSED CONCRETE	24	36	3
14U41A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	16	34	3

Htno	Subcode	Subname	Internal	External	Credits
14U41A0107	RT41014	WATER RESOURCES ENGINEERING - II	20	6	0
14U41A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	32	3
14U41A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	47	3
14U41A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	44	2
14U41A0107	RT4101M	GIS AND CAD LAB	23	46	2
14U41A0108	RT41011	ENVIRONMENTAL ENGINEERING- II	22	64	3
14U41A0108	RT41012	PRESTRESSED CONCRETE	24	37	3
14U41A0108	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	46	3
14U41A0108	RT41014	WATER RESOURCES ENGINEERING - II	21	34	3
14U41A0108	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	40	3
14U41A0108	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	37	3
14U41A0108	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	45	2
14U41A0108	RT4101M	GIS AND CAD LAB	25	45	2
14U41A0109	RT41011	ENVIRONMENTAL ENGINEERING- II	22	27	3
14U41A0109	RT41012	PRESTRESSED CONCRETE	28	30	3
14U41A0109	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	59	3
14U41A0109	RT41014	WATER RESOURCES ENGINEERING - II	21	58	3
14U41A0109	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	42	3
14U41A0109	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	52	3
14U41A0109	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	48	2
14U41A0109	RT4101M	GIS AND CAD LAB	23	47	2
14U41A0110	RT41011	ENVIRONMENTAL ENGINEERING- II	29	49	3
14U41A0110	RT41012	PRESTRESSED CONCRETE	29	69	3
14U41A0110	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	30	53	3
14U41A0110	RT41014	WATER RESOURCES ENGINEERING - II	28	49	3
14U41A0110	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	62	3
14U41A0110	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	62	3
14U41A0110	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	50	2
14U41A0110	RT4101M	GIS AND CAD LAB	25	50	2
14U41A0111	RT41011	ENVIRONMENTAL ENGINEERING- II	22	64	3
14U41A0111	RT41012	PRESTRESSED CONCRETE	22	47	3
14U41A0111	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	43	3
14U41A0111	RT41014	WATER RESOURCES ENGINEERING - II	24	24	3
14U41A0111	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	53	3
14U41A0111	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	67	3
14U41A0111	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	48	2
14U41A0111	RT4101M	GIS AND CAD LAB	23	50	2
14U41A0112	RT41011	ENVIRONMENTAL ENGINEERING- II	27	61	3
14U41A0112	RT41012	PRESTRESSED CONCRETE	23	48	3
14U41A0112	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	50	3
14U41A0112	RT41014	WATER RESOURCES ENGINEERING - II	24	54	3
14U41A0112	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	59	3
14U41A0112	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	56	3
14U41A0112	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	50	2
14U41A0112	RT4101M	GIS AND CAD LAB	25	50	2
14U41A0113	RT41011	ENVIRONMENTAL ENGINEERING- II	20	31	3
14U41A0113	RT41012	PRESTRESSED CONCRETE	25	50	3
14U41A0113	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	58	3
14U41A0113	RT41014	WATER RESOURCES ENGINEERING - II	23	46	3
14U41A0113	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	33	3

Htno	Subcode	Subname	Internal	External	Credits
14U41A0113	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	48	3
14U41A0113	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	45	2
14U41A0113	RT4101M	GIS AND CAD LAB	23	46	2
14U41A0201	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	34	3
14U41A0201	RT41022	HVAC AND DC TRANSMISSION	27	18	0
14U41A0201	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	17	0
14U41A0201	RT41025	INSTRUMENTATION	21	24	3
14U41A0201	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	28	3
14U41A0201	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	32	2
14U41A0201	RT4102M	ELECTRICAL SIMULATION LAB	21	45	2
14U41A0201	RT4102N	POWER SYSTEMS LAB	23	45	2
14U41A0203	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	-1	0
14U41A0203	RT41022	HVAC AND DC TRANSMISSION	26	-1	0
14U41A0203	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	-1	0
14U41A0203	RT41025	INSTRUMENTATION	13	-1	0
14U41A0203	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	-1	0
14U41A0203	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	-1	0
14U41A0203	RT4102M	ELECTRICAL SIMULATION LAB	9	-1	0
14U41A0203	RT4102N	POWER SYSTEMS LAB	11	-1	0
14U41A0204	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	37	3
14U41A0204	RT41022	HVAC AND DC TRANSMISSION	30	45	3
14U41A0204	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	46	3
14U41A0204	RT41025	INSTRUMENTATION	27	56	3
14U41A0204	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	51	3
14U41A0204	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
14U41A0204	RT4102M	ELECTRICAL SIMULATION LAB	25	50	2
14U41A0204	RT4102N	POWER SYSTEMS LAB	25	50	2
14U41A0205	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	20	30	3
14U41A0205	RT41022	HVAC AND DC TRANSMISSION	22	3	0
14U41A0205	RT41023	POWER SYSTEM OPERATION AND CONTROL	16	3	0
14U41A0205	RT41025	INSTRUMENTATION	15	31	3
14U41A0205	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	14	26	3
14U41A0205	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	-1	0
14U41A0205	RT4102M	ELECTRICAL SIMULATION LAB	6	30	2
14U41A0205	RT4102N	POWER SYSTEMS LAB	11	25	2
14U41A0206	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	36	3
14U41A0206	RT41022	HVAC AND DC TRANSMISSION	23	31	3
14U41A0206	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	34	3
14U41A0206	RT41025	INSTRUMENTATION	19	31	3
14U41A0206	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	38	3
14U41A0206	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	11	0
14U41A0206	RT4102M	ELECTRICAL SIMULATION LAB	22	44	2
14U41A0206	RT4102N	POWER SYSTEMS LAB	22	49	2
14U41A0207	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	31	3
14U41A0207	RT41022	HVAC AND DC TRANSMISSION	21	18	0
14U41A0207	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	35	3
14U41A0207	RT41025	INSTRUMENTATION	3	38	3
14U41A0207	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	20	29	3
14U41A0207	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	-1	0
14U41A0207	RT4102M	ELECTRICAL SIMULATION LAB	20	35	2

Htno	Subcode	Subname	Internal	External	Credits
14U41A0207	RT4102N	POWER SYSTEMS LAB	20	40	2
14U41A0209	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	64	3
14U41A0209	RT41022	HVAC AND DC TRANSMISSION	29	44	3
14U41A0209	RT41023	POWER SYSTEM OPERATION AND CONTROL	28	63	3
14U41A0209	RT41025	INSTRUMENTATION	25	60	3
14U41A0209	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	29	64	3
14U41A0209	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
14U41A0209	RT4102M	ELECTRICAL SIMULATION LAB	25	50	2
14U41A0209	RT4102N	POWER SYSTEMS LAB	25	50	2
14U41A0211	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	20	34	3
14U41A0211	RT41022	HVAC AND DC TRANSMISSION	21	6	0
14U41A0211	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	9	0
14U41A0211	RT41025	INSTRUMENTATION	24	33	3
14U41A0211	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	32	3
14U41A0211	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	26	2
14U41A0211	RT4102M	ELECTRICAL SIMULATION LAB	22	44	2
14U41A0211	RT4102N	POWER SYSTEMS LAB	23	46	2
14U41A0212	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	38	3
14U41A0212	RT41022	HVAC AND DC TRANSMISSION	28	38	3
14U41A0212	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	34	3
14U41A0212	RT41025	INSTRUMENTATION	26	41	3
14U41A0212	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	30	3
14U41A0212	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	45	2
14U41A0212	RT4102M	ELECTRICAL SIMULATION LAB	25	49	2
14U41A0212	RT4102N	POWER SYSTEMS LAB	24	49	2
14U41A0213	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	58	3
14U41A0213	RT41022	HVAC AND DC TRANSMISSION	29	37	3
14U41A0213	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	70	3
14U41A0213	RT41025	INSTRUMENTATION	26	60	3
14U41A0213	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	53	3
14U41A0213	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	49	2
14U41A0213	RT4102M	ELECTRICAL SIMULATION LAB	25	50	2
14U41A0213	RT4102N	POWER SYSTEMS LAB	25	49	2
14U41A0214	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	27	3
14U41A0214	RT41022	HVAC AND DC TRANSMISSION	28	9	0
14U41A0214	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	25	3
14U41A0214	RT41025	INSTRUMENTATION	18	24	3
14U41A0214	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	19	29	3
14U41A0214	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	35	2
14U41A0214	RT4102M	ELECTRICAL SIMULATION LAB	21	45	2
14U41A0214	RT4102N	POWER SYSTEMS LAB	25	49	2
14U41A0215	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	5	30	0
14U41A0215	RT41022	HVAC AND DC TRANSMISSION	7	5	0
14U41A0215	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	9	0
14U41A0215	RT41025	INSTRUMENTATION	0	25	0
14U41A0215	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	13	18	0
14U41A0215	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	-1	0
14U41A0215	RT4102M	ELECTRICAL SIMULATION LAB	5	-1	0
14U41A0215	RT4102N	POWER SYSTEMS LAB	11	-1	0
14U41A0217	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	47	3

Htno	Subcode	Subname	Internal	External	Credits
14U41A0217	RT41022	HVAC AND DC TRANSMISSION	24	36	3
14U41A0217	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	33	3
14U41A0217	RT41025	INSTRUMENTATION	22	43	3
14U41A0217	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	37	3
14U41A0217	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	38	2
14U41A0217	RT4102M	ELECTRICAL SIMULATION LAB	25	47	2
14U41A0217	RT4102N	POWER SYSTEMS LAB	23	50	2
14U41A0218	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	46	3
14U41A0218	RT41022	HVAC AND DC TRANSMISSION	23	15	0
14U41A0218	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	37	3
14U41A0218	RT41025	INSTRUMENTATION	20	42	3
14U41A0218	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	24	3
14U41A0218	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	-1	0
14U41A0218	RT4102M	ELECTRICAL SIMULATION LAB	9	32	2
14U41A0218	RT4102N	POWER SYSTEMS LAB	21	46	2
14U41A0401	RT41041	VLSI DESIGN	25	34	3
14U41A0401	RT41042	COMPUTER NETWORKS	21	25	3
14U41A0401	RT41043	DIGITAL IMAGE PROCESSING	26	43	3
14U41A0401	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	3	0
14U41A0401	RT41048	RADAR SYSTEMS	18	38	3
14U41A0401	RT4104A	OPTICAL COMMUNICATION	19	9	0
14U41A0401	RT4104L	V L S I LAB	23	42	2
14U41A0401	RT4104M	MICROWAVE ENGINEERING LAB	23	38	2
14U41A0402	RT41041	VLSI DESIGN	28	38	3
14U41A0402	RT41042	COMPUTER NETWORKS	24	49	3
14U41A0402	RT41043	DIGITAL IMAGE PROCESSING	26	44	3
14U41A0402	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	42	3
14U41A0402	RT41048	RADAR SYSTEMS	25	38	3
14U41A0402	RT4104A	OPTICAL COMMUNICATION	22	65	3
14U41A0402	RT4104L	V L S I LAB	25	48	2
14U41A0402	RT4104M	MICROWAVE ENGINEERING LAB	24	48	2
14U41A0403	RT41041	VLSI DESIGN	25	43	3
14U41A0403	RT41042	COMPUTER NETWORKS	24	33	3
14U41A0403	RT41043	DIGITAL IMAGE PROCESSING	29	28	3
14U41A0403	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	43	3
14U41A0403	RT41048	RADAR SYSTEMS	22	27	3
14U41A0403	RT4104A	OPTICAL COMMUNICATION	18	31	3
14U41A0403	RT4104L	V L S I LAB	21	43	2
14U41A0403	RT4104M	MICROWAVE ENGINEERING LAB	24	39	2
14U41A0405	RT41041	VLSI DESIGN	23	34	3
14U41A0405	RT41042	COMPUTER NETWORKS	21	47	3
14U41A0405	RT41043	DIGITAL IMAGE PROCESSING	26	33	3
14U41A0405	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	4	39	3
14U41A0405	RT41048	RADAR SYSTEMS	19	48	3
14U41A0405	RT4104A	OPTICAL COMMUNICATION	19	34	3
14U41A0405	RT4104L	V L S I LAB	21	42	2
14U41A0405	RT4104M	MICROWAVE ENGINEERING LAB	24	39	2
14U41A0406	RT41041	VLSI DESIGN	28	49	3
14U41A0406	RT41042	COMPUTER NETWORKS	25	35	3
14U41A0406	RT41043	DIGITAL IMAGE PROCESSING	28	52	3

Htno	Subcode	Subname	Internal	External	Credits
14U41A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	41	3
14U41A0406	RT41048	RADAR SYSTEMS	24	41	3
14U41A0406	RT4104A	OPTICAL COMMUNICATION	26	29	3
14U41A0406	RT4104L	V L S I LAB	23	48	2
14U41A0406	RT4104M	MICROWAVE ENGINEERING LAB	24	42	2
14U41A0407	RT41041	VLSI DESIGN	27	44	3
14U41A0407	RT41042	COMPUTER NETWORKS	23	50	3
14U41A0407	RT41043	DIGITAL IMAGE PROCESSING	24	46	3
14U41A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	46	3
14U41A0407	RT41048	RADAR SYSTEMS	25	43	3
14U41A0407	RT4104A	OPTICAL COMMUNICATION	22	64	3
14U41A0407	RT4104L	V L S I LAB	23	46	2
14U41A0407	RT4104M	MICROWAVE ENGINEERING LAB	23	38	2
14U41A0408	RT41041	VLSI DESIGN	27	44	3
14U41A0408	RT41042	COMPUTER NETWORKS	22	33	3
14U41A0408	RT41043	DIGITAL IMAGE PROCESSING	27	38	3
14U41A0408	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	44	3
14U41A0408	RT41048	RADAR SYSTEMS	24	32	3
14U41A0408	RT4104A	OPTICAL COMMUNICATION	22	15	0
14U41A0408	RT4104L	V L S I LAB	24	46	2
14U41A0408	RT4104M	MICROWAVE ENGINEERING LAB	24	42	2
14U41A0409	RT41041	VLSI DESIGN	27	40	3
14U41A0409	RT41042	COMPUTER NETWORKS	20	52	3
14U41A0409	RT41043	DIGITAL IMAGE PROCESSING	29	47	3
14U41A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	51	3
14U41A0409	RT41048	RADAR SYSTEMS	22	66	3
14U41A0409	RT4104A	OPTICAL COMMUNICATION	24	49	3
14U41A0409	RT4104L	V L S I LAB	25	49	2
14U41A0409	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
14U41A0410	RT41041	VLSI DESIGN	30	56	3
14U41A0410	RT41042	COMPUTER NETWORKS	28	46	3
14U41A0410	RT41043	DIGITAL IMAGE PROCESSING	25	57	3
14U41A0410	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	27	59	3
14U41A0410	RT41048	RADAR SYSTEMS	28	45	3
14U41A0410	RT4104A	OPTICAL COMMUNICATION	23	37	3
14U41A0410	RT4104L	V L S I LAB	24	46	2
14U41A0410	RT4104M	MICROWAVE ENGINEERING LAB	24	42	2
14U41A0411	RT41041	VLSI DESIGN	28	36	3
14U41A0411	RT41042	COMPUTER NETWORKS	19	53	3
14U41A0411	RT41043	DIGITAL IMAGE PROCESSING	21	12	0
14U41A0411	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	32	3
14U41A0411	RT41048	RADAR SYSTEMS	21	35	3
14U41A0411	RT4104A	OPTICAL COMMUNICATION	26	37	3
14U41A0411	RT4104L	V L S I LAB	21	42	2
14U41A0411	RT4104M	MICROWAVE ENGINEERING LAB	22	38	2
14U41A0412	RT41041	VLSI DESIGN	27	45	3
14U41A0412	RT41042	COMPUTER NETWORKS	23	50	3
14U41A0412	RT41043	DIGITAL IMAGE PROCESSING	29	42	3
14U41A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	52	3
14U41A0412	RT41048	RADAR SYSTEMS	22	30	3

Htno	Subcode	Subname	Internal	External	Credits
14U41A0412	RT4104A	OPTICAL COMMUNICATION	22	31	3
14U41A0412	RT4104L	V L S I LAB	21	46	2
14U41A0412	RT4104M	MICROWAVE ENGINEERING LAB	24	42	2
14U41A0413	RT41041	VLSI DESIGN	28	41	3
14U41A0413	RT41042	COMPUTER NETWORKS	20	48	3
14U41A0413	RT41043	DIGITAL IMAGE PROCESSING	24	34	3
14U41A0413	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	42	3
14U41A0413	RT41048	RADAR SYSTEMS	21	44	3
14U41A0413	RT4104A	OPTICAL COMMUNICATION	22	42	3
14U41A0413	RT4104L	V L S I LAB	21	44	2
14U41A0413	RT4104M	MICROWAVE ENGINEERING LAB	23	38	2
14U41A0414	RT41041	VLSI DESIGN	28	51	3
14U41A0414	RT41042	COMPUTER NETWORKS	22	39	3
14U41A0414	RT41043	DIGITAL IMAGE PROCESSING	23	63	3
14U41A0414	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	3	0
14U41A0414	RT41048	RADAR SYSTEMS	21	32	3
14U41A0414	RT4104A	OPTICAL COMMUNICATION	22	30	3
14U41A0414	RT4104L	V L S I LAB	23	44	2
14U41A0414	RT4104M	MICROWAVE ENGINEERING LAB	24	42	2
14U41A0415	RT41041	VLSI DESIGN	27	39	3
14U41A0415	RT41042	COMPUTER NETWORKS	19	48	3
14U41A0415	RT41043	DIGITAL IMAGE PROCESSING	23	13	0
14U41A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	40	3
14U41A0415	RT41048	RADAR SYSTEMS	21	46	3
14U41A0415	RT4104A	OPTICAL COMMUNICATION	19	55	3
14U41A0415	RT4104L	V L S I LAB	22	44	2
14U41A0415	RT4104M	MICROWAVE ENGINEERING LAB	23	38	2
14U41A0416	RT41041	VLSI DESIGN	28	40	3
14U41A0416	RT41042	COMPUTER NETWORKS	17	12	0
14U41A0416	RT41043	DIGITAL IMAGE PROCESSING	28	32	3
14U41A0416	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	50	3
14U41A0416	RT41048	RADAR SYSTEMS	24	28	3
14U41A0416	RT4104A	OPTICAL COMMUNICATION	10	13	0
14U41A0416	RT4104L	V L S I LAB	22	42	2
14U41A0416	RT4104M	MICROWAVE ENGINEERING LAB	21	37	2
14U41A0417	RT41041	VLSI DESIGN	30	45	3
14U41A0417	RT41042	COMPUTER NETWORKS	29	61	3
14U41A0417	RT41043	DIGITAL IMAGE PROCESSING	28	36	3
14U41A0417	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	28	54	3
14U41A0417	RT41048	RADAR SYSTEMS	27	61	3
14U41A0417	RT4104A	OPTICAL COMMUNICATION	28	37	3
14U41A0417	RT4104L	V L S I LAB	24	49	2
14U41A0417	RT4104M	MICROWAVE ENGINEERING LAB	24	50	2
14U41A0418	RT41041	VLSI DESIGN	26	28	3
14U41A0418	RT41042	COMPUTER NETWORKS	21	24	3
14U41A0418	RT41043	DIGITAL IMAGE PROCESSING	25	19	0
14U41A0418	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	7	0
14U41A0418	RT41048	RADAR SYSTEMS	13	29	3
14U41A0418	RT4104A	OPTICAL COMMUNICATION	17	6	0
14U41A0418	RT4104L	V L S I LAB	21	42	2

Htno	Subcode	Subname	Internal	External	Credits
14U41A0418	RT4104M	MICROWAVE ENGINEERING LAB	23	38	2
14U41A0419	RT41041	VLSI DESIGN	29	49	3
14U41A0419	RT41042	COMPUTER NETWORKS	27	63	3
14U41A0419	RT41043	DIGITAL IMAGE PROCESSING	28	63	3
14U41A0419	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	44	3
14U41A0419	RT41048	RADAR SYSTEMS	28	46	3
14U41A0419	RT4104A	OPTICAL COMMUNICATION	27	70	3
14U41A0419	RT4104L	V L S I LAB	25	49	2
14U41A0419	RT4104M	MICROWAVE ENGINEERING LAB	25	50	2
14U41A0420	RT41041	VLSI DESIGN	28	46	3
14U41A0420	RT41042	COMPUTER NETWORKS	27	49	3
14U41A0420	RT41043	DIGITAL IMAGE PROCESSING	25	49	3
14U41A0420	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	60	3
14U41A0420	RT41048	RADAR SYSTEMS	23	34	3
14U41A0420	RT4104A	OPTICAL COMMUNICATION	22	34	3
14U41A0420	RT4104L	V L S I LAB	24	46	2
14U41A0420	RT4104M	MICROWAVE ENGINEERING LAB	24	50	2
14U41A0421	RT41041	VLSI DESIGN	28	41	3
14U41A0421	RT41042	COMPUTER NETWORKS	21	45	3
14U41A0421	RT41043	DIGITAL IMAGE PROCESSING	29	35	3
14U41A0421	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	27	45	3
14U41A0421	RT41048	RADAR SYSTEMS	21	45	3
14U41A0421	RT4104A	OPTICAL COMMUNICATION	27	46	3
14U41A0421	RT4104L	V L S I LAB	25	48	2
14U41A0421	RT4104M	MICROWAVE ENGINEERING LAB	24	43	2
14U41A0424	RT41041	VLSI DESIGN	27	64	3
14U41A0424	RT41042	COMPUTER NETWORKS	24	51	3
14U41A0424	RT41043	DIGITAL IMAGE PROCESSING	25	60	3
14U41A0424	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	48	3
14U41A0424	RT41048	RADAR SYSTEMS	26	55	3
14U41A0424	RT4104A	OPTICAL COMMUNICATION	29	34	3
14U41A0424	RT4104L	V L S I LAB	25	49	2
14U41A0424	RT4104M	MICROWAVE ENGINEERING LAB	24	50	2
14U41A0425	RT41041	VLSI DESIGN	26	24	3
14U41A0425	RT41042	COMPUTER NETWORKS	17	56	3
14U41A0425	RT41043	DIGITAL IMAGE PROCESSING	21	24	3
14U41A0425	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	32	3
14U41A0425	RT41048	RADAR SYSTEMS	14	36	3
14U41A0425	RT4104A	OPTICAL COMMUNICATION	16	32	3
14U41A0425	RT4104L	V L S I LAB	21	43	2
14U41A0425	RT4104M	MICROWAVE ENGINEERING LAB	24	38	2
14U41A0501	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	38	3
14U41A0501	RT41052	UML AND DESIGN PATTERNS	24	50	3
14U41A0501	RT41053	MOBILE COMPUTING	27	38	3
14U41A0501	RT41054	SOFTWARE TESTING METHODOLOGIES	27	42	3
14U41A0501	RT4105B	HADOOP AND BIG DATA	29	44	3
14U41A0501	RT4105L	UML AND DESIGN PATTERNS LAB	24	50	2
14U41A0501	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0501	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0501	RT4105O	HADOOP AND BIGDATA LAB	25	50	2

Htno	Subcode	Subname	Internal	External	Credits
14U41A0502	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	36	3
14U41A0502	RT41052	UML AND DESIGN PATTERNS	29	41	3
14U41A0502	RT41053	MOBILE COMPUTING	25	33	3
14U41A0502	RT41054	SOFTWARE TESTING METHODOLOGIES	27	55	3
14U41A0502	RT4105B	HADOOP AND BIG DATA	28	26	3
14U41A0502	RT4105L	UML AND DESIGN PATTERNS LAB	23	49	2
14U41A0502	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	46	2
14U41A0502	RT4105N	SOFTWARE TESTING LAB	23	48	2
14U41A0502	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14U41A0503	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	5	18	0
14U41A0503	RT41052	UML AND DESIGN PATTERNS	12	21	0
14U41A0503	RT41053	MOBILE COMPUTING	20	4	0
14U41A0503	RT41054	SOFTWARE TESTING METHODOLOGIES	13	34	3
14U41A0503	RT4105B	HADOOP AND BIG DATA	18	18	0
14U41A0503	RT4105L	UML AND DESIGN PATTERNS LAB	18	40	2
14U41A0503	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	40	2
14U41A0503	RT4105N	SOFTWARE TESTING LAB	22	46	2
14U41A0503	RT4105O	HADOOP AND BIGDATA LAB	21	42	2
14U41A0504	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	36	3
14U41A0504	RT41052	UML AND DESIGN PATTERNS	26	34	3
14U41A0504	RT41053	MOBILE COMPUTING	28	40	3
14U41A0504	RT41054	SOFTWARE TESTING METHODOLOGIES	24	35	3
14U41A0504	RT4105B	HADOOP AND BIG DATA	29	29	3
14U41A0504	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0504	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0504	RT4105N	SOFTWARE TESTING LAB	25	48	2
14U41A0504	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
14U41A0505	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	14	0
14U41A0505	RT41052	UML AND DESIGN PATTERNS	27	33	3
14U41A0505	RT41053	MOBILE COMPUTING	28	43	3
14U41A0505	RT41054	SOFTWARE TESTING METHODOLOGIES	23	37	3
14U41A0505	RT4105B	HADOOP AND BIG DATA	24	44	3
14U41A0505	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
14U41A0505	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0505	RT4105N	SOFTWARE TESTING LAB	24	48	2
14U41A0505	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14U41A0506	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	40	3
14U41A0506	RT41052	UML AND DESIGN PATTERNS	27	35	3
14U41A0506	RT41053	MOBILE COMPUTING	27	44	3
14U41A0506	RT41054	SOFTWARE TESTING METHODOLOGIES	29	60	3
14U41A0506	RT4105B	HADOOP AND BIG DATA	29	34	3
14U41A0506	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0506	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0506	RT4105N	SOFTWARE TESTING LAB	25	49	2
14U41A0506	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0509	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	47	3
14U41A0509	RT41052	UML AND DESIGN PATTERNS	23	64	3
14U41A0509	RT41053	MOBILE COMPUTING	26	39	3
14U41A0509	RT41054	SOFTWARE TESTING METHODOLOGIES	23	46	3
14U41A0509	RT4105B	HADOOP AND BIG DATA	28	44	3

Htno	Subcode	Subname	Internal	External	Credits
14U41A0509	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0509	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0509	RT4105N	SOFTWARE TESTING LAB	24	49	2
14U41A0509	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0511	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	11	0
14U41A0511	RT41052	UML AND DESIGN PATTERNS	23	29	3
14U41A0511	RT41053	MOBILE COMPUTING	25	39	3
14U41A0511	RT41054	SOFTWARE TESTING METHODOLOGIES	21	26	3
14U41A0511	RT4105B	HADOOP AND BIG DATA	28	24	3
14U41A0511	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
14U41A0511	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14U41A0511	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0511	RT4105O	HADOOP AND BIGDATA LAB	23	49	2
14U41A0512	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	41	3
14U41A0512	RT41052	UML AND DESIGN PATTERNS	24	35	3
14U41A0512	RT41053	MOBILE COMPUTING	29	42	3
14U41A0512	RT41054	SOFTWARE TESTING METHODOLOGIES	23	41	3
14U41A0512	RT4105B	HADOOP AND BIG DATA	29	47	3
14U41A0512	RT4105L	UML AND DESIGN PATTERNS LAB	23	45	2
14U41A0512	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
14U41A0512	RT4105N	SOFTWARE TESTING LAB	24	47	2
14U41A0512	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14U41A0514	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	35	3
14U41A0514	RT41052	UML AND DESIGN PATTERNS	24	36	3
14U41A0514	RT41053	MOBILE COMPUTING	27	27	3
14U41A0514	RT41054	SOFTWARE TESTING METHODOLOGIES	21	39	3
14U41A0514	RT4105B	HADOOP AND BIG DATA	29	28	3
14U41A0514	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
14U41A0514	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
14U41A0514	RT4105N	SOFTWARE TESTING LAB	24	47	2
14U41A0514	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14U41A0515	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	24	3
14U41A0515	RT41052	UML AND DESIGN PATTERNS	25	51	3
14U41A0515	RT41053	MOBILE COMPUTING	26	37	3
14U41A0515	RT41054	SOFTWARE TESTING METHODOLOGIES	22	48	3
14U41A0515	RT4105B	HADOOP AND BIG DATA	28	34	3
14U41A0515	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14U41A0515	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	49	2
14U41A0515	RT4105N	SOFTWARE TESTING LAB	25	49	2
14U41A0515	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0516	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	29	3
14U41A0516	RT41052	UML AND DESIGN PATTERNS	24	43	3
14U41A0516	RT41053	MOBILE COMPUTING	22	49	3
14U41A0516	RT41054	SOFTWARE TESTING METHODOLOGIES	25	38	3
14U41A0516	RT4105B	HADOOP AND BIG DATA	29	36	3
14U41A0516	RT4105L	UML AND DESIGN PATTERNS LAB	23	50	2
14U41A0516	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0516	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0516	RT4105O	HADOOP AND BIGDATA LAB	25	49	2
14U41A0518	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	12	0

Htno	Subcode	Subname	Internal	External	Credits
14U41A0518	RT41052	UML AND DESIGN PATTERNS	16	24	3
14U41A0518	RT41053	MOBILE COMPUTING	18	31	3
14U41A0518	RT41054	SOFTWARE TESTING METHODOLOGIES	21	24	3
14U41A0518	RT4105B	HADOOP AND BIG DATA	17	37	3
14U41A0518	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14U41A0518	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14U41A0518	RT4105N	SOFTWARE TESTING LAB	22	46	2
14U41A0518	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
14U41A0519	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	33	3
14U41A0519	RT41052	UML AND DESIGN PATTERNS	18	38	3
14U41A0519	RT41053	MOBILE COMPUTING	24	33	3
14U41A0519	RT41054	SOFTWARE TESTING METHODOLOGIES	18	41	3
14U41A0519	RT4105B	HADOOP AND BIG DATA	26	26	3
14U41A0519	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
14U41A0519	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14U41A0519	RT4105N	SOFTWARE TESTING LAB	24	47	2
14U41A0519	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14U41A0520	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	4	0
14U41A0520	RT41052	UML AND DESIGN PATTERNS	21	49	3
14U41A0520	RT41053	MOBILE COMPUTING	22	39	3
14U41A0520	RT41054	SOFTWARE TESTING METHODOLOGIES	19	43	3
14U41A0520	RT4105B	HADOOP AND BIG DATA	27	44	3
14U41A0520	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0520	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0520	RT4105N	SOFTWARE TESTING LAB	24	48	2
14U41A0520	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
14U41A0521	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	28	3
14U41A0521	RT41052	UML AND DESIGN PATTERNS	25	33	3
14U41A0521	RT41053	MOBILE COMPUTING	25	33	3
14U41A0521	RT41054	SOFTWARE TESTING METHODOLOGIES	20	29	3
14U41A0521	RT4105B	HADOOP AND BIG DATA	27	36	3
14U41A0521	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
14U41A0521	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14U41A0521	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0521	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14U41A0522	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	17	0
14U41A0522	RT41052	UML AND DESIGN PATTERNS	24	29	3
14U41A0522	RT41053	MOBILE COMPUTING	24	32	3
14U41A0522	RT41054	SOFTWARE TESTING METHODOLOGIES	21	32	3
14U41A0522	RT4105B	HADOOP AND BIG DATA	29	8	0
14U41A0522	RT4105L	UML AND DESIGN PATTERNS LAB	23	50	2
14U41A0522	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	47	2
14U41A0522	RT4105N	SOFTWARE TESTING LAB	24	48	2
14U41A0522	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
14U41A0523	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	50	3
14U41A0523	RT41052	UML AND DESIGN PATTERNS	28	42	3
14U41A0523	RT41053	MOBILE COMPUTING	29	33	3
14U41A0523	RT41054	SOFTWARE TESTING METHODOLOGIES	27	61	3
14U41A0523	RT4105B	HADOOP AND BIG DATA	30	36	3
14U41A0523	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2

Htno	Subcode	Subname	Internal	External	Credits
14U41A0523	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0523	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0523	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0524	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	27	3
14U41A0524	RT41052	UML AND DESIGN PATTERNS	26	69	3
14U41A0524	RT41053	MOBILE COMPUTING	30	44	3
14U41A0524	RT41054	SOFTWARE TESTING METHODOLOGIES	27	49	3
14U41A0524	RT4105B	HADOOP AND BIG DATA	29	37	3
14U41A0524	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0524	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0524	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0524	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0525	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	25	3
14U41A0525	RT41052	UML AND DESIGN PATTERNS	18	38	3
14U41A0525	RT41053	MOBILE COMPUTING	22	41	3
14U41A0525	RT41054	SOFTWARE TESTING METHODOLOGIES	19	28	3
14U41A0525	RT4105B	HADOOP AND BIG DATA	28	42	3
14U41A0525	RT4105L	UML AND DESIGN PATTERNS LAB	21	46	2
14U41A0525	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	44	2
14U41A0525	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0525	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14U41A0526	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	11	0
14U41A0526	RT41052	UML AND DESIGN PATTERNS	18	3	0
14U41A0526	RT41053	MOBILE COMPUTING	23	38	3
14U41A0526	RT41054	SOFTWARE TESTING METHODOLOGIES	16	26	3
14U41A0526	RT4105B	HADOOP AND BIG DATA	24	24	3
14U41A0526	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
14U41A0526	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	43	2
14U41A0526	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0526	RT4105O	HADOOP AND BIGDATA LAB	21	45	2
14U41A0527	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	29	40	3
14U41A0527	RT41052	UML AND DESIGN PATTERNS	23	38	3
14U41A0527	RT41053	MOBILE COMPUTING	23	53	3
14U41A0527	RT41054	SOFTWARE TESTING METHODOLOGIES	26	57	3
14U41A0527	RT4105B	HADOOP AND BIG DATA	28	37	3
14U41A0527	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0527	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0527	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0527	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0528	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	24	3
14U41A0528	RT41052	UML AND DESIGN PATTERNS	26	55	3
14U41A0528	RT41053	MOBILE COMPUTING	28	44	3
14U41A0528	RT41054	SOFTWARE TESTING METHODOLOGIES	25	50	3
14U41A0528	RT4105B	HADOOP AND BIG DATA	27	34	3
14U41A0528	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
14U41A0528	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0528	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0528	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14U41A0529	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	4	0
14U41A0529	RT41052	UML AND DESIGN PATTERNS	20	23	0

Htno	Subcode	Subname	Internal	External	Credits
14U41A0529	RT41053	MOBILE COMPUTING	19	5	0
14U41A0529	RT41054	SOFTWARE TESTING METHODOLOGIES	17	19	0
14U41A0529	RT4105B	HADOOP AND BIG DATA	24	10	0
14U41A0529	RT4105L	UML AND DESIGN PATTERNS LAB	21	45	2
14U41A0529	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
14U41A0529	RT4105N	SOFTWARE TESTING LAB	22	47	2
14U41A0529	RT4105O	HADOOP AND BIGDATA LAB	23	49	2
14U41A0530	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	41	3
14U41A0530	RT41052	UML AND DESIGN PATTERNS	22	32	3
14U41A0530	RT41053	MOBILE COMPUTING	28	39	3
14U41A0530	RT41054	SOFTWARE TESTING METHODOLOGIES	26	32	3
14U41A0530	RT4105B	HADOOP AND BIG DATA	29	27	3
14U41A0530	RT4105L	UML AND DESIGN PATTERNS LAB	23	45	2
14U41A0530	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14U41A0530	RT4105N	SOFTWARE TESTING LAB	24	49	2
14U41A0530	RT4105O	HADOOP AND BIGDATA LAB	23	49	2
14U41A0531	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	27	3
14U41A0531	RT41052	UML AND DESIGN PATTERNS	25	29	3
14U41A0531	RT41053	MOBILE COMPUTING	25	28	3
14U41A0531	RT41054	SOFTWARE TESTING METHODOLOGIES	22	24	3
14U41A0531	RT4105B	HADOOP AND BIG DATA	27	24	3
14U41A0531	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0531	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0531	RT4105N	SOFTWARE TESTING LAB	24	49	2
14U41A0531	RT4105O	HADOOP AND BIGDATA LAB	21	47	2
14U41A0532	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	43	3
14U41A0532	RT41052	UML AND DESIGN PATTERNS	23	55	3
14U41A0532	RT41053	MOBILE COMPUTING	22	44	3
14U41A0532	RT41054	SOFTWARE TESTING METHODOLOGIES	21	53	3
14U41A0532	RT4105B	HADOOP AND BIG DATA	28	30	3
14U41A0532	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
14U41A0532	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14U41A0532	RT4105N	SOFTWARE TESTING LAB	23	48	2
14U41A0532	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
14U41A0533	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	36	3
14U41A0533	RT41052	UML AND DESIGN PATTERNS	26	32	3
14U41A0533	RT41053	MOBILE COMPUTING	22	42	3
14U41A0533	RT41054	SOFTWARE TESTING METHODOLOGIES	26	34	3
14U41A0533	RT4105B	HADOOP AND BIG DATA	30	31	3
14U41A0533	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0533	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0533	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0533	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0534	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	29	31	3
14U41A0534	RT41052	UML AND DESIGN PATTERNS	23	33	3
14U41A0534	RT41053	MOBILE COMPUTING	18	36	3
14U41A0534	RT41054	SOFTWARE TESTING METHODOLOGIES	21	31	3
14U41A0534	RT4105B	HADOOP AND BIG DATA	28	44	3
14U41A0534	RT4105L	UML AND DESIGN PATTERNS LAB	22	46	2
14U41A0534	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	47	2

Htno	Subcode	Subname	Internal	External	Credits
14U41A0534	RT4105N	SOFTWARE TESTING LAB	22	46	2
14U41A0534	RT4105O	HADOOP AND BIGDATA LAB	22	42	2
14U41A0535	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	29	33	3
14U41A0535	RT41052	UML AND DESIGN PATTERNS	26	41	3
14U41A0535	RT41053	MOBILE COMPUTING	29	45	3
14U41A0535	RT41054	SOFTWARE TESTING METHODOLOGIES	25	43	3
14U41A0535	RT4105B	HADOOP AND BIG DATA	29	36	3
14U41A0535	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0535	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0535	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0535	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0536	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	34	3
14U41A0536	RT41052	UML AND DESIGN PATTERNS	19	51	3
14U41A0536	RT41053	MOBILE COMPUTING	23	30	3
14U41A0536	RT41054	SOFTWARE TESTING METHODOLOGIES	23	42	3
14U41A0536	RT4105B	HADOOP AND BIG DATA	24	34	3
14U41A0536	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
14U41A0536	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	44	2
14U41A0536	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0536	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14U41A0537	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	29	3
14U41A0537	RT41052	UML AND DESIGN PATTERNS	22	32	3
14U41A0537	RT41053	MOBILE COMPUTING	25	30	3
14U41A0537	RT41054	SOFTWARE TESTING METHODOLOGIES	22	28	3
14U41A0537	RT4105B	HADOOP AND BIG DATA	29	29	3
14U41A0537	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
14U41A0537	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
14U41A0537	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0537	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
14U41A0538	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	36	3
14U41A0538	RT41052	UML AND DESIGN PATTERNS	25	33	3
14U41A0538	RT41053	MOBILE COMPUTING	19	38	3
14U41A0538	RT41054	SOFTWARE TESTING METHODOLOGIES	22	37	3
14U41A0538	RT4105B	HADOOP AND BIG DATA	21	36	3
14U41A0538	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
14U41A0538	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14U41A0538	RT4105N	SOFTWARE TESTING LAB	23	46	2
14U41A0538	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
14U41A0539	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	29	3
14U41A0539	RT41052	UML AND DESIGN PATTERNS	26	34	3
14U41A0539	RT41053	MOBILE COMPUTING	24	24	3
14U41A0539	RT41054	SOFTWARE TESTING METHODOLOGIES	22	17	0
14U41A0539	RT4105B	HADOOP AND BIG DATA	28	28	3
14U41A0539	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
14U41A0539	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14U41A0539	RT4105N	SOFTWARE TESTING LAB	24	48	2
14U41A0539	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
14U41A0540	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	35	3
14U41A0540	RT41052	UML AND DESIGN PATTERNS	23	60	3
14U41A0540	RT41053	MOBILE COMPUTING	24	43	3

Htno	Subcode	Subname	Internal	External	Credits
14U41A0540	RT41054	SOFTWARE TESTING METHODOLOGIES	25	56	3
14U41A0540	RT4105B	HADOOP AND BIG DATA	21	45	3
14U41A0540	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0540	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0540	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0540	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14U41A0541	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	26	3
14U41A0541	RT41052	UML AND DESIGN PATTERNS	22	34	3
14U41A0541	RT41053	MOBILE COMPUTING	27	37	3
14U41A0541	RT41054	SOFTWARE TESTING METHODOLOGIES	20	27	3
14U41A0541	RT4105B	HADOOP AND BIG DATA	28	31	3
14U41A0541	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14U41A0541	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	49	2
14U41A0541	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0541	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0542	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	35	3
14U41A0542	RT41052	UML AND DESIGN PATTERNS	26	29	3
14U41A0542	RT41053	MOBILE COMPUTING	24	37	3
14U41A0542	RT41054	SOFTWARE TESTING METHODOLOGIES	22	33	3
14U41A0542	RT4105B	HADOOP AND BIG DATA	27	39	3
14U41A0542	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14U41A0542	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	47	2
14U41A0542	RT4105N	SOFTWARE TESTING LAB	23	48	2
14U41A0542	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
14U41A0543	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	16	0
14U41A0543	RT41052	UML AND DESIGN PATTERNS	21	35	3
14U41A0543	RT41053	MOBILE COMPUTING	23	24	3
14U41A0543	RT41054	SOFTWARE TESTING METHODOLOGIES	17	34	3
14U41A0543	RT4105B	HADOOP AND BIG DATA	27	27	3
14U41A0543	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
14U41A0543	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	44	2
14U41A0543	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0543	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
14U41A0544	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	33	3
14U41A0544	RT41052	UML AND DESIGN PATTERNS	26	62	3
14U41A0544	RT41053	MOBILE COMPUTING	22	40	3
14U41A0544	RT41054	SOFTWARE TESTING METHODOLOGIES	19	54	3
14U41A0544	RT4105B	HADOOP AND BIG DATA	26	32	3
14U41A0544	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14U41A0544	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14U41A0544	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0544	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0545	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	27	3
14U41A0545	RT41052	UML AND DESIGN PATTERNS	25	33	3
14U41A0545	RT41053	MOBILE COMPUTING	21	58	3
14U41A0545	RT41054	SOFTWARE TESTING METHODOLOGIES	25	34	3
14U41A0545	RT4105B	HADOOP AND BIG DATA	23	35	3
14U41A0545	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
14U41A0545	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	48	2
14U41A0545	RT4105N	SOFTWARE TESTING LAB	23	48	2

Htno	Subcode	Subname	Internal	External	Credits
14U41A0545	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0546	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	42	3
14U41A0546	RT41052	UML AND DESIGN PATTERNS	29	38	3
14U41A0546	RT41053	MOBILE COMPUTING	29	53	3
14U41A0546	RT41054	SOFTWARE TESTING METHODOLOGIES	27	35	3
14U41A0546	RT4105B	HADOOP AND BIG DATA	29	39	3
14U41A0546	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0546	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14U41A0546	RT4105N	SOFTWARE TESTING LAB	25	50	2
14U41A0546	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0547	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	20	0
14U41A0547	RT41052	UML AND DESIGN PATTERNS	24	24	3
14U41A0547	RT41053	MOBILE COMPUTING	22	7	0
14U41A0547	RT41054	SOFTWARE TESTING METHODOLOGIES	21	20	0
14U41A0547	RT4105B	HADOOP AND BIG DATA	26	26	3
14U41A0547	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14U41A0547	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14U41A0547	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0547	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14U41A0548	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	13	0
14U41A0548	RT41052	UML AND DESIGN PATTERNS	18	52	3
14U41A0548	RT41053	MOBILE COMPUTING	22	36	3
14U41A0548	RT41054	SOFTWARE TESTING METHODOLOGIES	22	41	3
14U41A0548	RT4105B	HADOOP AND BIG DATA	28	30	3
14U41A0548	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14U41A0548	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	45	2
14U41A0548	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0548	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14U41A0549	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	25	3
14U41A0549	RT41052	UML AND DESIGN PATTERNS	25	39	3
14U41A0549	RT41053	MOBILE COMPUTING	20	33	3
14U41A0549	RT41054	SOFTWARE TESTING METHODOLOGIES	23	27	3
14U41A0549	RT4105B	HADOOP AND BIG DATA	26	42	3
14U41A0549	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0549	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14U41A0549	RT4105N	SOFTWARE TESTING LAB	24	48	2
14U41A0549	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14U41A0550	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	39	3
14U41A0550	RT41052	UML AND DESIGN PATTERNS	24	28	3
14U41A0550	RT41053	MOBILE COMPUTING	28	36	3
14U41A0550	RT41054	SOFTWARE TESTING METHODOLOGIES	25	38	3
14U41A0550	RT4105B	HADOOP AND BIG DATA	28	48	3
14U41A0550	RT4105L	UML AND DESIGN PATTERNS LAB	22	47	2
14U41A0550	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	43	2
14U41A0550	RT4105N	SOFTWARE TESTING LAB	23	47	2
14U41A0550	RT4105O	HADOOP AND BIGDATA LAB	21	47	2
14U41A0552	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	33	3
14U41A0552	RT41052	UML AND DESIGN PATTERNS	23	33	3
14U41A0552	RT41053	MOBILE COMPUTING	23	28	3
14U41A0552	RT41054	SOFTWARE TESTING METHODOLOGIES	21	33	3

Htno	Subcode	Subname	Internal	External	Credits
14U41A0552	RT4105B	HADOOP AND BIG DATA	29	28	3
14U41A0552	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
14U41A0552	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14U41A0552	RT4105N	SOFTWARE TESTING LAB	25	49	2
14U41A0552	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
14U45A0209	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	20	0
14U45A0226	RT41022	HVAC AND DC TRANSMISSION	16	9	0
14U45A0226	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	18	28	3
14U45A0408	RT41043	DIGITAL IMAGE PROCESSING	17	36	3
14U45A0409	RT4104A	OPTICAL COMMUNICATION	21	31	3
14U45A0417	RT41043	DIGITAL IMAGE PROCESSING	18	16	0
15U45A0101	RT41011	ENVIRONMENTAL ENGINEERING- II	24	44	3
15U45A0101	RT41012	PRESTRESSED CONCRETE	30	40	3
15U45A0101	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	49	3
15U45A0101	RT41014	WATER RESOURCES ENGINEERING - II	20	43	3
15U45A0101	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	47	3
15U45A0101	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	60	3
15U45A0101	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	42	2
15U45A0101	RT4101M	GIS AND CAD LAB	25	50	2
15U45A0102	RT41011	ENVIRONMENTAL ENGINEERING- II	28	50	3
15U45A0102	RT41012	PRESTRESSED CONCRETE	29	48	3
15U45A0102	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	54	3
15U45A0102	RT41014	WATER RESOURCES ENGINEERING - II	28	26	3
15U45A0102	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	46	3
15U45A0102	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	62	3
15U45A0102	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	50	2
15U45A0102	RT4101M	GIS AND CAD LAB	25	50	2
15U45A0103	RT41011	ENVIRONMENTAL ENGINEERING- II	18	29	3
15U45A0103	RT41012	PRESTRESSED CONCRETE	21	36	3
15U45A0103	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	44	3
15U45A0103	RT41014	WATER RESOURCES ENGINEERING - II	20	17	0
15U45A0103	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	25	3
15U45A0103	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	43	3
15U45A0103	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	45	2
15U45A0103	RT4101M	GIS AND CAD LAB	23	47	2
15U45A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	19	36	3
15U45A0104	RT41012	PRESTRESSED CONCRETE	21	34	3
15U45A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	58	3
15U45A0104	RT41014	WATER RESOURCES ENGINEERING - II	17	42	3
15U45A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	6	0
15U45A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	42	3
15U45A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	42	2
15U45A0104	RT4101M	GIS AND CAD LAB	23	47	2
15U45A0105	RT41011	ENVIRONMENTAL ENGINEERING- II	23	49	3
15U45A0105	RT41012	PRESTRESSED CONCRETE	28	52	3
15U45A0105	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	56	3
15U45A0105	RT41014	WATER RESOURCES ENGINEERING - II	21	46	3
15U45A0105	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	47	3
15U45A0105	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	50	3
15U45A0105	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	42	2

Htno	Subcode	Subname	Internal	External	Credits
15U45A0105	RT4101M	GIS AND CAD LAB	23	48	2
15U45A0106	RT41011	ENVIRONMENTAL ENGINEERING- II	23	40	3
15U45A0106	RT41012	PRESTRESSED CONCRETE	21	45	3
15U45A0106	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	43	3
15U45A0106	RT41014	WATER RESOURCES ENGINEERING - II	25	15	0
15U45A0106	RT41015	REMOTE SENSING AND GIS APPLICATIONS	14	37	3
15U45A0106	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	46	3
15U45A0106	RT4101L	ENVIRONMENTAL ENGINEERING LAB	17	40	2
15U45A0106	RT4101M	GIS AND CAD LAB	25	44	2
15U45A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	23	55	3
15U45A0107	RT41012	PRESTRESSED CONCRETE	28	55	3
15U45A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	50	3
15U45A0107	RT41014	WATER RESOURCES ENGINEERING - II	25	38	3
15U45A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	31	3
15U45A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	60	3
15U45A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	49	2
15U45A0107	RT4101M	GIS AND CAD LAB	25	49	2
15U45A0108	RT41011	ENVIRONMENTAL ENGINEERING- II	21	38	3
15U45A0108	RT41012	PRESTRESSED CONCRETE	23	42	3
15U45A0108	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	48	3
15U45A0108	RT41014	WATER RESOURCES ENGINEERING - II	24	36	3
15U45A0108	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	39	3
15U45A0108	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	42	3
15U45A0108	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	49	2
15U45A0108	RT4101M	GIS AND CAD LAB	25	49	2
15U45A0109	RT41011	ENVIRONMENTAL ENGINEERING- II	27	37	3
15U45A0109	RT41012	PRESTRESSED CONCRETE	27	46	3
15U45A0109	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	30	48	3
15U45A0109	RT41014	WATER RESOURCES ENGINEERING - II	23	44	3
15U45A0109	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	49	3
15U45A0109	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	66	3
15U45A0109	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	50	2
15U45A0109	RT4101M	GIS AND CAD LAB	19	48	2
15U45A0110	RT41011	ENVIRONMENTAL ENGINEERING- II	22	35	3
15U45A0110	RT41012	PRESTRESSED CONCRETE	22	48	3
15U45A0110	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	44	3
15U45A0110	RT41014	WATER RESOURCES ENGINEERING - II	20	42	3
15U45A0110	RT41015	REMOTE SENSING AND GIS APPLICATIONS	19	45	3
15U45A0110	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	48	3
15U45A0110	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
15U45A0110	RT4101M	GIS AND CAD LAB	23	43	2
15U45A0111	RT41011	ENVIRONMENTAL ENGINEERING- II	21	46	3
15U45A0111	RT41012	PRESTRESSED CONCRETE	26	34	3
15U45A0111	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	31	3
15U45A0111	RT41014	WATER RESOURCES ENGINEERING - II	21	34	3
15U45A0111	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	38	3
15U45A0111	RT41016	GROUND IMPROVEMENT TECHNIQUES	14	64	3
15U45A0111	RT4101L	ENVIRONMENTAL ENGINEERING LAB	17	40	2
15U45A0111	RT4101M	GIS AND CAD LAB	23	40	2
15U45A0112	RT41011	ENVIRONMENTAL ENGINEERING- II	27	38	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0112	RT41012	PRESTRESSED CONCRETE	30	40	3
15U45A0112	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	52	3
15U45A0112	RT41014	WATER RESOURCES ENGINEERING - II	23	30	3
15U45A0112	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	34	3
15U45A0112	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	49	3
15U45A0112	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	50	2
15U45A0112	RT4101M	GIS AND CAD LAB	25	50	2
15U45A0113	RT41011	ENVIRONMENTAL ENGINEERING- II	29	43	3
15U45A0113	RT41012	PRESTRESSED CONCRETE	29	64	3
15U45A0113	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	50	3
15U45A0113	RT41014	WATER RESOURCES ENGINEERING - II	28	43	3
15U45A0113	RT41015	REMOTE SENSING AND GIS APPLICATIONS	29	69	3
15U45A0113	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	56	3
15U45A0113	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	50	2
15U45A0113	RT4101M	GIS AND CAD LAB	25	50	2
15U45A0114	RT41011	ENVIRONMENTAL ENGINEERING- II	21	26	3
15U45A0114	RT41012	PRESTRESSED CONCRETE	18	39	3
15U45A0114	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	39	3
15U45A0114	RT41014	WATER RESOURCES ENGINEERING - II	20	42	3
15U45A0114	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	44	3
15U45A0114	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	47	3
15U45A0114	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	46	2
15U45A0114	RT4101M	GIS AND CAD LAB	23	49	2
15U45A0115	RT41011	ENVIRONMENTAL ENGINEERING- II	24	43	3
15U45A0115	RT41012	PRESTRESSED CONCRETE	29	43	3
15U45A0115	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	51	3
15U45A0115	RT41014	WATER RESOURCES ENGINEERING - II	24	42	3
15U45A0115	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	33	3
15U45A0115	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	59	3
15U45A0115	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	46	2
15U45A0115	RT4101M	GIS AND CAD LAB	23	45	2
15U45A0116	RT41011	ENVIRONMENTAL ENGINEERING- II	24	44	3
15U45A0116	RT41012	PRESTRESSED CONCRETE	21	44	3
15U45A0116	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	49	3
15U45A0116	RT41014	WATER RESOURCES ENGINEERING - II	24	37	3
15U45A0116	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	41	3
15U45A0116	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	44	3
15U45A0116	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	48	2
15U45A0116	RT4101M	GIS AND CAD LAB	23	49	2
15U45A0117	RT41011	ENVIRONMENTAL ENGINEERING- II	27	27	3
15U45A0117	RT41012	PRESTRESSED CONCRETE	27	37	3
15U45A0117	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	45	3
15U45A0117	RT41014	WATER RESOURCES ENGINEERING - II	24	35	3
15U45A0117	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	48	3
15U45A0117	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	44	3
15U45A0117	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	50	2
15U45A0117	RT4101M	GIS AND CAD LAB	23	49	2
15U45A0119	RT41011	ENVIRONMENTAL ENGINEERING- II	24	34	3
15U45A0119	RT41012	PRESTRESSED CONCRETE	22	29	3
15U45A0119	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	39	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0119	RT41014	WATER RESOURCES ENGINEERING - II	22	11	0
15U45A0119	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	38	3
15U45A0119	RT41016	GROUND IMPROVEMENT TECHNIQUES	16	41	3
15U45A0119	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	40	2
15U45A0119	RT4101M	GIS AND CAD LAB	21	42	2
15U45A0120	RT41011	ENVIRONMENTAL ENGINEERING- II	24	59	3
15U45A0120	RT41012	PRESTRESSED CONCRETE	29	56	3
15U45A0120	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	49	3
15U45A0120	RT41014	WATER RESOURCES ENGINEERING - II	25	37	3
15U45A0120	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	42	3
15U45A0120	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	70	3
15U45A0120	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	49	2
15U45A0120	RT4101M	GIS AND CAD LAB	23	49	2
15U45A0121	RT41011	ENVIRONMENTAL ENGINEERING- II	21	24	3
15U45A0121	RT41012	PRESTRESSED CONCRETE	23	31	3
15U45A0121	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	47	3
15U45A0121	RT41014	WATER RESOURCES ENGINEERING - II	18	30	3
15U45A0121	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	11	0
15U45A0121	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	40	3
15U45A0121	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	45	2
15U45A0121	RT4101M	GIS AND CAD LAB	25	50	2
15U45A0122	RT41011	ENVIRONMENTAL ENGINEERING- II	25	28	3
15U45A0122	RT41012	PRESTRESSED CONCRETE	23	47	3
15U45A0122	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	45	3
15U45A0122	RT41014	WATER RESOURCES ENGINEERING - II	26	46	3
15U45A0122	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	59	3
15U45A0122	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	51	3
15U45A0122	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	47	2
15U45A0122	RT4101M	GIS AND CAD LAB	25	50	2
15U45A0123	RT41011	ENVIRONMENTAL ENGINEERING- II	23	26	3
15U45A0123	RT41012	PRESTRESSED CONCRETE	24	28	3
15U45A0123	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	34	3
15U45A0123	RT41014	WATER RESOURCES ENGINEERING - II	21	6	0
15U45A0123	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	30	3
15U45A0123	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	32	3
15U45A0123	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	49	2
15U45A0123	RT4101M	GIS AND CAD LAB	25	49	2
15U45A0124	RT41011	ENVIRONMENTAL ENGINEERING- II	23	50	3
15U45A0124	RT41012	PRESTRESSED CONCRETE	22	16	0
15U45A0124	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	34	3
15U45A0124	RT41014	WATER RESOURCES ENGINEERING - II	21	3	0
15U45A0124	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	38	3
15U45A0124	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	69	3
15U45A0124	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	43	2
15U45A0124	RT4101M	GIS AND CAD LAB	21	42	2
15U45A0125	RT41011	ENVIRONMENTAL ENGINEERING- II	21	37	3
15U45A0125	RT41012	PRESTRESSED CONCRETE	24	43	3
15U45A0125	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	52	3
15U45A0125	RT41014	WATER RESOURCES ENGINEERING - II	23	30	3
15U45A0125	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	38	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0125	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	48	3
15U45A0125	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	46	2
15U45A0125	RT4101M	GIS AND CAD LAB	23	48	2
15U45A0126	RT41011	ENVIRONMENTAL ENGINEERING- II	25	31	3
15U45A0126	RT41012	PRESTRESSED CONCRETE	24	31	3
15U45A0126	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	35	3
15U45A0126	RT41014	WATER RESOURCES ENGINEERING - II	25	43	3
15U45A0126	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	45	3
15U45A0126	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	50	3
15U45A0126	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	47	2
15U45A0126	RT4101M	GIS AND CAD LAB	25	50	2
15U45A0127	RT41011	ENVIRONMENTAL ENGINEERING- II	22	31	3
15U45A0127	RT41012	PRESTRESSED CONCRETE	18	41	3
15U45A0127	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	34	3
15U45A0127	RT41014	WATER RESOURCES ENGINEERING - II	19	36	3
15U45A0127	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	37	3
15U45A0127	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	44	3
15U45A0127	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	42	2
15U45A0127	RT4101M	GIS AND CAD LAB	21	40	2
15U45A0128	RT41011	ENVIRONMENTAL ENGINEERING- II	24	48	3
15U45A0128	RT41012	PRESTRESSED CONCRETE	26	17	0
15U45A0128	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	33	3
15U45A0128	RT41014	WATER RESOURCES ENGINEERING - II	24	24	3
15U45A0128	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	30	3
15U45A0128	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	43	3
15U45A0128	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	49	2
15U45A0128	RT4101M	GIS AND CAD LAB	23	47	2
15U45A0129	RT41011	ENVIRONMENTAL ENGINEERING- II	24	36	3
15U45A0129	RT41012	PRESTRESSED CONCRETE	26	40	3
15U45A0129	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	50	3
15U45A0129	RT41014	WATER RESOURCES ENGINEERING - II	20	36	3
15U45A0129	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	37	3
15U45A0129	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	41	3
15U45A0129	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	49	2
15U45A0129	RT4101M	GIS AND CAD LAB	25	50	2
15U45A0130	RT41011	ENVIRONMENTAL ENGINEERING- II	24	43	3
15U45A0130	RT41012	PRESTRESSED CONCRETE	27	70	3
15U45A0130	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	44	3
15U45A0130	RT41014	WATER RESOURCES ENGINEERING - II	25	56	3
15U45A0130	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	41	3
15U45A0130	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	55	3
15U45A0130	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	49	2
15U45A0130	RT4101M	GIS AND CAD LAB	25	50	2
15U45A0131	RT41011	ENVIRONMENTAL ENGINEERING- II	23	39	3
15U45A0131	RT41012	PRESTRESSED CONCRETE	22	49	3
15U45A0131	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	48	3
15U45A0131	RT41014	WATER RESOURCES ENGINEERING - II	24	24	3
15U45A0131	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	45	3
15U45A0131	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	53	3
15U45A0131	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	47	2

Htno	Subcode	Subname	Internal	External	Credits
15U45A0131	RT4101M	GIS AND CAD LAB	25	49	2
15U45A0132	RT41011	ENVIRONMENTAL ENGINEERING- II	26	66	3
15U45A0132	RT41012	PRESTRESSED CONCRETE	26	60	3
15U45A0132	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	57	3
15U45A0132	RT41014	WATER RESOURCES ENGINEERING - II	26	44	3
15U45A0132	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	40	3
15U45A0132	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	56	3
15U45A0132	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	50	2
15U45A0132	RT4101M	GIS AND CAD LAB	25	50	2
15U45A0133	RT41011	ENVIRONMENTAL ENGINEERING- II	22	27	3
15U45A0133	RT41012	PRESTRESSED CONCRETE	25	46	3
15U45A0133	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	45	3
15U45A0133	RT41014	WATER RESOURCES ENGINEERING - II	22	32	3
15U45A0133	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	43	3
15U45A0133	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	44	3
15U45A0133	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	45	2
15U45A0133	RT4101M	GIS AND CAD LAB	23	48	2
15U45A0134	RT41011	ENVIRONMENTAL ENGINEERING- II	17	25	3
15U45A0134	RT41012	PRESTRESSED CONCRETE	19	16	0
15U45A0134	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	43	3
15U45A0134	RT41014	WATER RESOURCES ENGINEERING - II	18	26	3
15U45A0134	RT41015	REMOTE SENSING AND GIS APPLICATIONS	18	34	3
15U45A0134	RT41016	GROUND IMPROVEMENT TECHNIQUES	14	34	3
15U45A0134	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	40	2
15U45A0134	RT4101M	GIS AND CAD LAB	21	49	2
15U45A0135	RT41011	ENVIRONMENTAL ENGINEERING- II	26	38	3
15U45A0135	RT41012	PRESTRESSED CONCRETE	27	47	3
15U45A0135	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	47	3
15U45A0135	RT41014	WATER RESOURCES ENGINEERING - II	26	9	0
15U45A0135	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	34	3
15U45A0135	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	48	3
15U45A0135	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	47	2
15U45A0135	RT4101M	GIS AND CAD LAB	23	49	2
15U45A0136	RT41011	ENVIRONMENTAL ENGINEERING- II	26	43	3
15U45A0136	RT41012	PRESTRESSED CONCRETE	29	55	3
15U45A0136	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	38	3
15U45A0136	RT41014	WATER RESOURCES ENGINEERING - II	21	32	3
15U45A0136	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	26	3
15U45A0136	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	49	3
15U45A0136	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	48	2
15U45A0136	RT4101M	GIS AND CAD LAB	23	50	2
15U45A0137	RT41011	ENVIRONMENTAL ENGINEERING- II	27	30	3
15U45A0137	RT41012	PRESTRESSED CONCRETE	26	45	3
15U45A0137	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	52	3
15U45A0137	RT41014	WATER RESOURCES ENGINEERING - II	26	48	3
15U45A0137	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	33	3
15U45A0137	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	36	3
15U45A0137	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	49	2
15U45A0137	RT4101M	GIS AND CAD LAB	25	49	2
15U45A0201	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	8	0

Htno	Subcode	Subname	Internal	External	Credits
15U45A0201	RT41022	HVAC AND DC TRANSMISSION	27	3	0
15U45A0201	RT41023	POWER SYSTEM OPERATION AND CONTROL	18	4	0
15U45A0201	RT41025	INSTRUMENTATION	20	16	0
15U45A0201	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	11	0
15U45A0201	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	35	2
15U45A0201	RT4102M	ELECTRICAL SIMULATION LAB	24	49	2
15U45A0201	RT4102N	POWER SYSTEMS LAB	24	48	2
15U45A0202	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	40	3
15U45A0202	RT41022	HVAC AND DC TRANSMISSION	26	29	3
15U45A0202	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	35	3
15U45A0202	RT41025	INSTRUMENTATION	26	56	3
15U45A0202	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	42	3
15U45A0202	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	36	2
15U45A0202	RT4102M	ELECTRICAL SIMULATION LAB	24	49	2
15U45A0202	RT4102N	POWER SYSTEMS LAB	25	49	2
15U45A0203	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	28	3
15U45A0203	RT41022	HVAC AND DC TRANSMISSION	24	31	3
15U45A0203	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	24	3
15U45A0203	RT41025	INSTRUMENTATION	21	34	3
15U45A0203	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	31	3
15U45A0203	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	32	2
15U45A0203	RT4102M	ELECTRICAL SIMULATION LAB	24	49	2
15U45A0203	RT4102N	POWER SYSTEMS LAB	25	47	2
15U45A0204	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	18	39	3
15U45A0204	RT41022	HVAC AND DC TRANSMISSION	22	7	0
15U45A0204	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	17	0
15U45A0204	RT41025	INSTRUMENTATION	23	42	3
15U45A0204	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	16	35	3
15U45A0204	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	27	2
15U45A0204	RT4102M	ELECTRICAL SIMULATION LAB	20	48	2
15U45A0204	RT4102N	POWER SYSTEMS LAB	22	49	2
15U45A0205	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	33	3
15U45A0205	RT41022	HVAC AND DC TRANSMISSION	28	30	3
15U45A0205	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	30	3
15U45A0205	RT41025	INSTRUMENTATION	21	50	3
15U45A0205	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	42	3
15U45A0205	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	8	0
15U45A0205	RT4102M	ELECTRICAL SIMULATION LAB	23	48	2
15U45A0205	RT4102N	POWER SYSTEMS LAB	23	46	2
15U45A0206	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	38	3
15U45A0206	RT41022	HVAC AND DC TRANSMISSION	27	54	3
15U45A0206	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	58	3
15U45A0206	RT41025	INSTRUMENTATION	26	63	3
15U45A0206	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	30	47	3
15U45A0206	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
15U45A0206	RT4102M	ELECTRICAL SIMULATION LAB	25	50	2
15U45A0206	RT4102N	POWER SYSTEMS LAB	25	50	2
15U45A0207	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	28	3
15U45A0207	RT41022	HVAC AND DC TRANSMISSION	15	26	3
15U45A0207	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	25	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0207	RT41025	INSTRUMENTATION	19	24	3
15U45A0207	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	16	28	3
15U45A0207	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	30	2
15U45A0207	RT4102M	ELECTRICAL SIMULATION LAB	22	44	2
15U45A0207	RT4102N	POWER SYSTEMS LAB	22	49	2
15U45A0208	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	40	3
15U45A0208	RT41022	HVAC AND DC TRANSMISSION	25	0	0
15U45A0208	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	32	3
15U45A0208	RT41025	INSTRUMENTATION	20	34	3
15U45A0208	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	17	18	0
15U45A0208	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	-1	0
15U45A0208	RT4102M	ELECTRICAL SIMULATION LAB	19	34	2
15U45A0208	RT4102N	POWER SYSTEMS LAB	21	40	2
15U45A0209	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	46	3
15U45A0209	RT41022	HVAC AND DC TRANSMISSION	26	24	3
15U45A0209	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	36	3
15U45A0209	RT41025	INSTRUMENTATION	25	52	3
15U45A0209	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	30	50	3
15U45A0209	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	42	2
15U45A0209	RT4102M	ELECTRICAL SIMULATION LAB	23	49	2
15U45A0209	RT4102N	POWER SYSTEMS LAB	25	50	2
15U45A0210	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	35	3
15U45A0210	RT41022	HVAC AND DC TRANSMISSION	25	24	3
15U45A0210	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	28	3
15U45A0210	RT41025	INSTRUMENTATION	24	46	3
15U45A0210	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	36	3
15U45A0210	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
15U45A0210	RT4102M	ELECTRICAL SIMULATION LAB	24	49	2
15U45A0210	RT4102N	POWER SYSTEMS LAB	25	50	2
15U45A0211	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	30	36	3
15U45A0211	RT41022	HVAC AND DC TRANSMISSION	27	43	3
15U45A0211	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	41	3
15U45A0211	RT41025	INSTRUMENTATION	19	35	3
15U45A0211	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	29	29	3
15U45A0211	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	27	2
15U45A0211	RT4102M	ELECTRICAL SIMULATION LAB	24	50	2
15U45A0211	RT4102N	POWER SYSTEMS LAB	23	47	2
15U45A0212	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	20	47	3
15U45A0212	RT41022	HVAC AND DC TRANSMISSION	21	5	0
15U45A0212	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	12	0
15U45A0212	RT41025	INSTRUMENTATION	8	33	3
15U45A0212	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	13	0
15U45A0212	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	34	2
15U45A0212	RT4102M	ELECTRICAL SIMULATION LAB	23	48	2
15U45A0212	RT4102N	POWER SYSTEMS LAB	24	49	2
15U45A0213	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	49	3
15U45A0213	RT41022	HVAC AND DC TRANSMISSION	27	37	3
15U45A0213	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	34	3
15U45A0213	RT41025	INSTRUMENTATION	23	46	3
15U45A0213	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	47	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0213	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	47	2
15U45A0213	RT4102M	ELECTRICAL SIMULATION LAB	23	49	2
15U45A0213	RT4102N	POWER SYSTEMS LAB	24	49	2
15U45A0214	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	56	3
15U45A0214	RT41022	HVAC AND DC TRANSMISSION	26	29	3
15U45A0214	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	65	3
15U45A0214	RT41025	INSTRUMENTATION	21	48	3
15U45A0214	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	42	3
15U45A0214	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	47	2
15U45A0214	RT4102M	ELECTRICAL SIMULATION LAB	24	49	2
15U45A0214	RT4102N	POWER SYSTEMS LAB	25	50	2
15U45A0215	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	34	3
15U45A0215	RT41022	HVAC AND DC TRANSMISSION	27	26	3
15U45A0215	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	55	3
15U45A0215	RT41025	INSTRUMENTATION	26	37	3
15U45A0215	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	39	3
15U45A0215	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	35	2
15U45A0215	RT4102M	ELECTRICAL SIMULATION LAB	24	49	2
15U45A0215	RT4102N	POWER SYSTEMS LAB	24	49	2
15U45A0216	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	61	3
15U45A0216	RT41022	HVAC AND DC TRANSMISSION	20	41	3
15U45A0216	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	54	3
15U45A0216	RT41025	INSTRUMENTATION	25	30	3
15U45A0216	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	36	3
15U45A0216	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	38	2
15U45A0216	RT4102M	ELECTRICAL SIMULATION LAB	25	49	2
15U45A0216	RT4102N	POWER SYSTEMS LAB	25	45	2
15U45A0217	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	30	51	3
15U45A0217	RT41022	HVAC AND DC TRANSMISSION	28	35	3
15U45A0217	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	50	3
15U45A0217	RT41025	INSTRUMENTATION	25	58	3
15U45A0217	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	58	3
15U45A0217	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
15U45A0217	RT4102M	ELECTRICAL SIMULATION LAB	23	49	2
15U45A0217	RT4102N	POWER SYSTEMS LAB	25	49	2
15U45A0218	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	51	3
15U45A0218	RT41022	HVAC AND DC TRANSMISSION	25	46	3
15U45A0218	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	69	3
15U45A0218	RT41025	INSTRUMENTATION	26	52	3
15U45A0218	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	42	3
15U45A0218	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
15U45A0218	RT4102M	ELECTRICAL SIMULATION LAB	23	47	2
15U45A0218	RT4102N	POWER SYSTEMS LAB	25	48	2
15U45A0219	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	30	3
15U45A0219	RT41022	HVAC AND DC TRANSMISSION	26	18	0
15U45A0219	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	24	3
15U45A0219	RT41025	INSTRUMENTATION	20	19	0
15U45A0219	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	27	3
15U45A0219	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	30	2
15U45A0219	RT4102M	ELECTRICAL SIMULATION LAB	22	43	2

Htno	Subcode	Subname	Internal	External	Credits
15U45A0219	RT4102N	POWER SYSTEMS LAB	21	43	2
15U45A0220	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	37	3
15U45A0220	RT41022	HVAC AND DC TRANSMISSION	27	26	3
15U45A0220	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	24	3
15U45A0220	RT41025	INSTRUMENTATION	24	49	3
15U45A0220	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	29	3
15U45A0220	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	30	2
15U45A0220	RT4102M	ELECTRICAL SIMULATION LAB	24	48	2
15U45A0220	RT4102N	POWER SYSTEMS LAB	24	50	2
15U45A0221	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	46	3
15U45A0221	RT41022	HVAC AND DC TRANSMISSION	28	30	3
15U45A0221	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	50	3
15U45A0221	RT41025	INSTRUMENTATION	23	43	3
15U45A0221	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	54	3
15U45A0221	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	30	2
15U45A0221	RT4102M	ELECTRICAL SIMULATION LAB	22	46	2
15U45A0221	RT4102N	POWER SYSTEMS LAB	24	47	2
15U45A0222	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	34	3
15U45A0222	RT41022	HVAC AND DC TRANSMISSION	24	9	0
15U45A0222	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	54	3
15U45A0222	RT41025	INSTRUMENTATION	21	45	3
15U45A0222	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	32	3
15U45A0222	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	38	2
15U45A0222	RT4102M	ELECTRICAL SIMULATION LAB	23	48	2
15U45A0222	RT4102N	POWER SYSTEMS LAB	23	48	2
15U45A0223	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	33	3
15U45A0223	RT41022	HVAC AND DC TRANSMISSION	28	34	3
15U45A0223	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	33	3
15U45A0223	RT41025	INSTRUMENTATION	23	42	3
15U45A0223	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	34	3
15U45A0223	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	47	2
15U45A0223	RT4102M	ELECTRICAL SIMULATION LAB	23	48	2
15U45A0223	RT4102N	POWER SYSTEMS LAB	24	45	2
15U45A0224	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	35	3
15U45A0224	RT41022	HVAC AND DC TRANSMISSION	20	31	3
15U45A0224	RT41023	POWER SYSTEM OPERATION AND CONTROL	29	31	3
15U45A0224	RT41025	INSTRUMENTATION	21	53	3
15U45A0224	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	37	3
15U45A0224	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	38	2
15U45A0224	RT4102M	ELECTRICAL SIMULATION LAB	24	47	2
15U45A0224	RT4102N	POWER SYSTEMS LAB	24	48	2
15U45A0225	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	32	3
15U45A0225	RT41022	HVAC AND DC TRANSMISSION	29	24	3
15U45A0225	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	40	3
15U45A0225	RT41025	INSTRUMENTATION	21	31	3
15U45A0225	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	49	3
15U45A0225	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	34	2
15U45A0225	RT4102M	ELECTRICAL SIMULATION LAB	21	45	2
15U45A0225	RT4102N	POWER SYSTEMS LAB	24	49	2
15U45A0226	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	36	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0226	RT41022	HVAC AND DC TRANSMISSION	27	13	0
15U45A0226	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	41	3
15U45A0226	RT41025	INSTRUMENTATION	20	38	3
15U45A0226	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	36	3
15U45A0226	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	8	0
15U45A0226	RT4102M	ELECTRICAL SIMULATION LAB	21	44	2
15U45A0226	RT4102N	POWER SYSTEMS LAB	21	40	2
15U45A0227	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	26	3
15U45A0227	RT41022	HVAC AND DC TRANSMISSION	25	44	3
15U45A0227	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	61	3
15U45A0227	RT41025	INSTRUMENTATION	21	41	3
15U45A0227	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	35	3
15U45A0227	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	34	2
15U45A0227	RT4102M	ELECTRICAL SIMULATION LAB	21	45	2
15U45A0227	RT4102N	POWER SYSTEMS LAB	25	50	2
15U45A0228	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	36	3
15U45A0228	RT41022	HVAC AND DC TRANSMISSION	28	18	0
15U45A0228	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	13	0
15U45A0228	RT41025	INSTRUMENTATION	26	59	3
15U45A0228	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	37	3
15U45A0228	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
15U45A0228	RT4102M	ELECTRICAL SIMULATION LAB	23	44	2
15U45A0228	RT4102N	POWER SYSTEMS LAB	24	47	2
15U45A0229	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	36	3
15U45A0229	RT41022	HVAC AND DC TRANSMISSION	25	32	3
15U45A0229	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	48	3
15U45A0229	RT41025	INSTRUMENTATION	22	58	3
15U45A0229	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	42	3
15U45A0229	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
15U45A0229	RT4102M	ELECTRICAL SIMULATION LAB	23	49	2
15U45A0229	RT4102N	POWER SYSTEMS LAB	24	50	2
15U45A0230	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	40	3
15U45A0230	RT41022	HVAC AND DC TRANSMISSION	27	32	3
15U45A0230	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	40	3
15U45A0230	RT41025	INSTRUMENTATION	25	52	3
15U45A0230	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	41	3
15U45A0230	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	40	2
15U45A0230	RT4102M	ELECTRICAL SIMULATION LAB	24	40	2
15U45A0230	RT4102N	POWER SYSTEMS LAB	24	47	2
15U45A0231	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	27	3
15U45A0231	RT41022	HVAC AND DC TRANSMISSION	27	39	3
15U45A0231	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	52	3
15U45A0231	RT41025	INSTRUMENTATION	27	36	3
15U45A0231	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	37	3
15U45A0231	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	35	2
15U45A0231	RT4102M	ELECTRICAL SIMULATION LAB	22	49	2
15U45A0231	RT4102N	POWER SYSTEMS LAB	22	43	2
15U45A0232	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	58	3
15U45A0232	RT41022	HVAC AND DC TRANSMISSION	28	50	3
15U45A0232	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	52	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0232	RT41025	INSTRUMENTATION	24	56	3
15U45A0232	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	52	3
15U45A0232	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
15U45A0232	RT4102M	ELECTRICAL SIMULATION LAB	25	48	2
15U45A0232	RT4102N	POWER SYSTEMS LAB	24	46	2
15U45A0234	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	36	3
15U45A0234	RT41022	HVAC AND DC TRANSMISSION	23	17	0
15U45A0234	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	52	3
15U45A0234	RT41025	INSTRUMENTATION	22	47	3
15U45A0234	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	19	56	3
15U45A0234	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	41	2
15U45A0234	RT4102M	ELECTRICAL SIMULATION LAB	24	48	2
15U45A0234	RT4102N	POWER SYSTEMS LAB	24	45	2
15U45A0235	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	39	3
15U45A0235	RT41022	HVAC AND DC TRANSMISSION	27	29	3
15U45A0235	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	52	3
15U45A0235	RT41025	INSTRUMENTATION	22	46	3
15U45A0235	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	38	3
15U45A0235	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	48	2
15U45A0235	RT4102M	ELECTRICAL SIMULATION LAB	25	49	2
15U45A0235	RT4102N	POWER SYSTEMS LAB	24	47	2
15U45A0236	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	15	27	3
15U45A0236	RT41022	HVAC AND DC TRANSMISSION	15	40	3
15U45A0236	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	61	3
15U45A0236	RT41025	INSTRUMENTATION	22	46	3
15U45A0236	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	28	3
15U45A0236	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	30	2
15U45A0236	RT4102M	ELECTRICAL SIMULATION LAB	15	32	2
15U45A0236	RT4102N	POWER SYSTEMS LAB	19	41	2
15U45A0237	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	57	3
15U45A0237	RT41022	HVAC AND DC TRANSMISSION	26	40	3
15U45A0237	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	49	3
15U45A0237	RT41025	INSTRUMENTATION	24	55	3
15U45A0237	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	50	3
15U45A0237	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
15U45A0237	RT4102M	ELECTRICAL SIMULATION LAB	24	49	2
15U45A0237	RT4102N	POWER SYSTEMS LAB	24	50	2
15U45A0238	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	32	3
15U45A0238	RT41022	HVAC AND DC TRANSMISSION	24	18	0
15U45A0238	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	34	3
15U45A0238	RT41025	INSTRUMENTATION	21	38	3
15U45A0238	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	43	3
15U45A0238	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
15U45A0238	RT4102M	ELECTRICAL SIMULATION LAB	23	48	2
15U45A0238	RT4102N	POWER SYSTEMS LAB	23	44	2
15U45A0240	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	29	3
15U45A0240	RT41022	HVAC AND DC TRANSMISSION	26	15	0
15U45A0240	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	29	3
15U45A0240	RT41025	INSTRUMENTATION	20	34	3
15U45A0240	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	20	26	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0240	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	38	2
15U45A0240	RT4102M	ELECTRICAL SIMULATION LAB	19	38	2
15U45A0240	RT4102N	POWER SYSTEMS LAB	21	43	2
15U45A0241	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	27	3
15U45A0241	RT41022	HVAC AND DC TRANSMISSION	21	31	3
15U45A0241	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	68	3
15U45A0241	RT41025	INSTRUMENTATION	24	40	3
15U45A0241	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	32	3
15U45A0241	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	47	2
15U45A0241	RT4102M	ELECTRICAL SIMULATION LAB	24	46	2
15U45A0241	RT4102N	POWER SYSTEMS LAB	24	49	2
15U45A0242	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	29	3
15U45A0242	RT41022	HVAC AND DC TRANSMISSION	23	0	0
15U45A0242	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	24	3
15U45A0242	RT41025	INSTRUMENTATION	18	31	3
15U45A0242	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	18	2	0
15U45A0242	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	17	36	2
15U45A0242	RT4102M	ELECTRICAL SIMULATION LAB	18	46	2
15U45A0242	RT4102N	POWER SYSTEMS LAB	24	48	2
15U45A0243	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	31	3
15U45A0243	RT41022	HVAC AND DC TRANSMISSION	28	31	3
15U45A0243	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	47	3
15U45A0243	RT41025	INSTRUMENTATION	21	31	3
15U45A0243	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	50	3
15U45A0243	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	38	2
15U45A0243	RT4102M	ELECTRICAL SIMULATION LAB	23	40	2
15U45A0243	RT4102N	POWER SYSTEMS LAB	22	44	2
15U45A0244	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	30	49	3
15U45A0244	RT41022	HVAC AND DC TRANSMISSION	28	33	3
15U45A0244	RT41023	POWER SYSTEM OPERATION AND CONTROL	30	51	3
15U45A0244	RT41025	INSTRUMENTATION	26	56	3
15U45A0244	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	47	3
15U45A0244	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	50	2
15U45A0244	RT4102M	ELECTRICAL SIMULATION LAB	25	50	2
15U45A0244	RT4102N	POWER SYSTEMS LAB	25	50	2
15U45A0246	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	18	14	0
15U45A0246	RT41022	HVAC AND DC TRANSMISSION	27	11	0
15U45A0246	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	17	0
15U45A0246	RT41025	INSTRUMENTATION	20	33	3
15U45A0246	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	17	24	3
15U45A0246	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	26	2
15U45A0246	RT4102M	ELECTRICAL SIMULATION LAB	17	44	2
15U45A0246	RT4102N	POWER SYSTEMS LAB	24	46	2
15U45A0248	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	33	3
15U45A0248	RT41022	HVAC AND DC TRANSMISSION	19	17	0
15U45A0248	RT41023	POWER SYSTEM OPERATION AND CONTROL	17	35	3
15U45A0248	RT41025	INSTRUMENTATION	16	37	3
15U45A0248	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	18	31	3
15U45A0248	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	30	2
15U45A0248	RT4102M	ELECTRICAL SIMULATION LAB	23	44	2

Htno	Subcode	Subname	Internal	External	Credits
15U45A0248	RT4102N	POWER SYSTEMS LAB	22	43	2
15U45A0250	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	50	3
15U45A0250	RT41022	HVAC AND DC TRANSMISSION	27	45	3
15U45A0250	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	49	3
15U45A0250	RT41025	INSTRUMENTATION	24	60	3
15U45A0250	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	61	3
15U45A0250	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	42	2
15U45A0250	RT4102M	ELECTRICAL SIMULATION LAB	23	46	2
15U45A0250	RT4102N	POWER SYSTEMS LAB	23	44	2
15U45A0251	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	17	6	0
15U45A0251	RT41022	HVAC AND DC TRANSMISSION	23	17	0
15U45A0251	RT41023	POWER SYSTEM OPERATION AND CONTROL	18	10	0
15U45A0251	RT41025	INSTRUMENTATION	17	24	3
15U45A0251	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	15	5	0
15U45A0251	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
15U45A0251	RT4102M	ELECTRICAL SIMULATION LAB	19	45	2
15U45A0251	RT4102N	POWER SYSTEMS LAB	23	44	2
15U45A0252	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	18	26	3
15U45A0252	RT41022	HVAC AND DC TRANSMISSION	17	31	3
15U45A0252	RT41023	POWER SYSTEM OPERATION AND CONTROL	17	32	3
15U45A0252	RT41025	INSTRUMENTATION	18	33	3
15U45A0252	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	20	31	3
15U45A0252	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
15U45A0252	RT4102M	ELECTRICAL SIMULATION LAB	22	44	2
15U45A0252	RT4102N	POWER SYSTEMS LAB	22	42	2
15U45A0401	RT41041	VLSI DESIGN	25	41	3
15U45A0401	RT41042	COMPUTER NETWORKS	22	33	3
15U45A0401	RT41043	DIGITAL IMAGE PROCESSING	27	39	3
15U45A0401	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	34	3
15U45A0401	RT41048	RADAR SYSTEMS	26	28	3
15U45A0401	RT4104A	OPTICAL COMMUNICATION	22	24	3
15U45A0401	RT4104L	V L S I LAB	24	48	2
15U45A0401	RT4104M	MICROWAVE ENGINEERING LAB	24	43	2
15U45A0402	RT41041	VLSI DESIGN	28	45	3
15U45A0402	RT41042	COMPUTER NETWORKS	20	57	3
15U45A0402	RT41043	DIGITAL IMAGE PROCESSING	28	44	3
15U45A0402	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	54	3
15U45A0402	RT41048	RADAR SYSTEMS	23	58	3
15U45A0402	RT4104A	OPTICAL COMMUNICATION	20	45	3
15U45A0402	RT4104L	V L S I LAB	24	46	2
15U45A0402	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
15U45A0403	RT41041	VLSI DESIGN	25	44	3
15U45A0403	RT41042	COMPUTER NETWORKS	22	34	3
15U45A0403	RT41043	DIGITAL IMAGE PROCESSING	24	50	3
15U45A0403	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	16	0
15U45A0403	RT41048	RADAR SYSTEMS	21	37	3
15U45A0403	RT4104A	OPTICAL COMMUNICATION	19	14	0
15U45A0403	RT4104L	V L S I LAB	22	45	2
15U45A0403	RT4104M	MICROWAVE ENGINEERING LAB	23	42	2
15U45A0404	RT41041	VLSI DESIGN	22	24	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0404	RT41042	COMPUTER NETWORKS	21	55	3
15U45A0404	RT41043	DIGITAL IMAGE PROCESSING	22	37	3
15U45A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	15	0
15U45A0404	RT41048	RADAR SYSTEMS	21	35	3
15U45A0404	RT4104A	OPTICAL COMMUNICATION	19	55	3
15U45A0404	RT4104L	V L S I LAB	22	42	2
15U45A0404	RT4104M	MICROWAVE ENGINEERING LAB	23	41	2
15U45A0405	RT41041	VLSI DESIGN	26	57	3
15U45A0405	RT41042	COMPUTER NETWORKS	20	32	3
15U45A0405	RT41043	DIGITAL IMAGE PROCESSING	29	40	3
15U45A0405	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	41	3
15U45A0405	RT41048	RADAR SYSTEMS	28	27	3
15U45A0405	RT4104A	OPTICAL COMMUNICATION	24	24	3
15U45A0405	RT4104L	V L S I LAB	24	45	2
15U45A0405	RT4104M	MICROWAVE ENGINEERING LAB	24	43	2
15U45A0406	RT41041	VLSI DESIGN	29	37	3
15U45A0406	RT41042	COMPUTER NETWORKS	22	36	3
15U45A0406	RT41043	DIGITAL IMAGE PROCESSING	26	40	3
15U45A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	24	3
15U45A0406	RT41048	RADAR SYSTEMS	21	42	3
15U45A0406	RT4104A	OPTICAL COMMUNICATION	22	48	3
15U45A0406	RT4104L	V L S I LAB	23	44	2
15U45A0406	RT4104M	MICROWAVE ENGINEERING LAB	24	42	2
15U45A0407	RT41041	VLSI DESIGN	29	51	3
15U45A0407	RT41042	COMPUTER NETWORKS	23	37	3
15U45A0407	RT41043	DIGITAL IMAGE PROCESSING	24	51	3
15U45A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	35	3
15U45A0407	RT41048	RADAR SYSTEMS	24	35	3
15U45A0407	RT4104A	OPTICAL COMMUNICATION	19	25	3
15U45A0407	RT4104L	V L S I LAB	24	46	2
15U45A0407	RT4104M	MICROWAVE ENGINEERING LAB	23	37	2
15U45A0408	RT41041	VLSI DESIGN	27	30	3
15U45A0408	RT41042	COMPUTER NETWORKS	25	60	3
15U45A0408	RT41043	DIGITAL IMAGE PROCESSING	28	51	3
15U45A0408	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	44	3
15U45A0408	RT41048	RADAR SYSTEMS	22	26	3
15U45A0408	RT4104A	OPTICAL COMMUNICATION	20	52	3
15U45A0408	RT4104L	V L S I LAB	23	45	2
15U45A0408	RT4104M	MICROWAVE ENGINEERING LAB	24	43	2
15U45A0409	RT41041	VLSI DESIGN	28	39	3
15U45A0409	RT41042	COMPUTER NETWORKS	23	47	3
15U45A0409	RT41043	DIGITAL IMAGE PROCESSING	28	46	3
15U45A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	27	50	3
15U45A0409	RT41048	RADAR SYSTEMS	23	39	3
15U45A0409	RT4104A	OPTICAL COMMUNICATION	20	33	3
15U45A0409	RT4104L	V L S I LAB	23	45	2
15U45A0409	RT4104M	MICROWAVE ENGINEERING LAB	23	42	2
15U45A0410	RT41041	VLSI DESIGN	28	50	3
15U45A0410	RT41042	COMPUTER NETWORKS	28	62	3
15U45A0410	RT41043	DIGITAL IMAGE PROCESSING	29	65	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0410	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	27	60	3
15U45A0410	RT41048	RADAR SYSTEMS	26	65	3
15U45A0410	RT4104A	OPTICAL COMMUNICATION	25	62	3
15U45A0410	RT4104L	V L S I LAB	25	50	2
15U45A0410	RT4104M	MICROWAVE ENGINEERING LAB	25	50	2
15U45A0411	RT41041	VLSI DESIGN	25	39	3
15U45A0411	RT41042	COMPUTER NETWORKS	21	37	3
15U45A0411	RT41043	DIGITAL IMAGE PROCESSING	25	32	3
15U45A0411	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	31	3
15U45A0411	RT41048	RADAR SYSTEMS	18	26	3
15U45A0411	RT4104A	OPTICAL COMMUNICATION	17	6	0
15U45A0411	RT4104L	V L S I LAB	22	45	2
15U45A0411	RT4104M	MICROWAVE ENGINEERING LAB	22	41	2
15U45A0412	RT41041	VLSI DESIGN	25	35	3
15U45A0412	RT41042	COMPUTER NETWORKS	18	44	3
15U45A0412	RT41043	DIGITAL IMAGE PROCESSING	22	24	3
15U45A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	35	3
15U45A0412	RT41048	RADAR SYSTEMS	17	20	0
15U45A0412	RT4104A	OPTICAL COMMUNICATION	17	19	0
15U45A0412	RT4104L	V L S I LAB	20	44	2
15U45A0412	RT4104M	MICROWAVE ENGINEERING LAB	23	41	2
15U45A0414	RT41041	VLSI DESIGN	27	44	3
15U45A0414	RT41042	COMPUTER NETWORKS	28	45	3
15U45A0414	RT41043	DIGITAL IMAGE PROCESSING	29	43	3
15U45A0414	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	51	3
15U45A0414	RT41048	RADAR SYSTEMS	23	32	3
15U45A0414	RT4104A	OPTICAL COMMUNICATION	19	24	3
15U45A0414	RT4104L	V L S I LAB	24	45	2
15U45A0414	RT4104M	MICROWAVE ENGINEERING LAB	23	48	2
15U45A0415	RT41041	VLSI DESIGN	28	42	3
15U45A0415	RT41042	COMPUTER NETWORKS	28	46	3
15U45A0415	RT41043	DIGITAL IMAGE PROCESSING	28	36	3
15U45A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	54	3
15U45A0415	RT41048	RADAR SYSTEMS	24	53	3
15U45A0415	RT4104A	OPTICAL COMMUNICATION	25	48	3
15U45A0415	RT4104L	V L S I LAB	25	50	2
15U45A0415	RT4104M	MICROWAVE ENGINEERING LAB	25	45	2
15U45A0416	RT41041	VLSI DESIGN	28	55	3
15U45A0416	RT41042	COMPUTER NETWORKS	25	41	3
15U45A0416	RT41043	DIGITAL IMAGE PROCESSING	26	26	3
15U45A0416	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	37	3
15U45A0416	RT41048	RADAR SYSTEMS	25	33	3
15U45A0416	RT4104A	OPTICAL COMMUNICATION	21	27	3
15U45A0416	RT4104L	V L S I LAB	20	46	2
15U45A0416	RT4104M	MICROWAVE ENGINEERING LAB	20	38	2
15U45A0417	RT41041	VLSI DESIGN	29	48	3
15U45A0417	RT41042	COMPUTER NETWORKS	22	56	3
15U45A0417	RT41043	DIGITAL IMAGE PROCESSING	25	41	3
15U45A0417	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	36	3
15U45A0417	RT41048	RADAR SYSTEMS	25	28	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0417	RT4104A	OPTICAL COMMUNICATION	20	33	3
15U45A0417	RT4104L	V L S I LAB	22	46	2
15U45A0417	RT4104M	MICROWAVE ENGINEERING LAB	23	42	2
15U45A0418	RT41041	VLSI DESIGN	28	50	3
15U45A0418	RT41042	COMPUTER NETWORKS	25	51	3
15U45A0418	RT41043	DIGITAL IMAGE PROCESSING	29	45	3
15U45A0418	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	55	3
15U45A0418	RT41048	RADAR SYSTEMS	24	40	3
15U45A0418	RT4104A	OPTICAL COMMUNICATION	24	36	3
15U45A0418	RT4104L	V L S I LAB	25	50	2
15U45A0418	RT4104M	MICROWAVE ENGINEERING LAB	25	50	2
15U45A0419	RT41041	VLSI DESIGN	28	36	3
15U45A0419	RT41042	COMPUTER NETWORKS	23	43	3
15U45A0419	RT41043	DIGITAL IMAGE PROCESSING	29	36	3
15U45A0419	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	48	3
15U45A0419	RT41048	RADAR SYSTEMS	26	50	3
15U45A0419	RT4104A	OPTICAL COMMUNICATION	25	56	3
15U45A0419	RT4104L	V L S I LAB	25	50	2
15U45A0419	RT4104M	MICROWAVE ENGINEERING LAB	23	49	2
15U45A0420	RT41041	VLSI DESIGN	28	52	3
15U45A0420	RT41042	COMPUTER NETWORKS	21	40	3
15U45A0420	RT41043	DIGITAL IMAGE PROCESSING	29	66	3
15U45A0420	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	31	3
15U45A0420	RT41048	RADAR SYSTEMS	22	37	3
15U45A0420	RT4104A	OPTICAL COMMUNICATION	21	9	0
15U45A0420	RT4104L	V L S I LAB	21	44	2
15U45A0420	RT4104M	MICROWAVE ENGINEERING LAB	23	42	2
15U45A0421	RT41041	VLSI DESIGN	28	38	3
15U45A0421	RT41042	COMPUTER NETWORKS	26	60	3
15U45A0421	RT41043	DIGITAL IMAGE PROCESSING	27	41	3
15U45A0421	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	27	46	3
15U45A0421	RT41048	RADAR SYSTEMS	25	31	3
15U45A0421	RT4104A	OPTICAL COMMUNICATION	22	48	3
15U45A0421	RT4104L	V L S I LAB	22	45	2
15U45A0421	RT4104M	MICROWAVE ENGINEERING LAB	23	42	2
15U45A0423	RT41041	VLSI DESIGN	30	36	3
15U45A0423	RT41042	COMPUTER NETWORKS	23	32	3
15U45A0423	RT41043	DIGITAL IMAGE PROCESSING	27	40	3
15U45A0423	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	40	3
15U45A0423	RT41048	RADAR SYSTEMS	25	27	3
15U45A0423	RT4104A	OPTICAL COMMUNICATION	20	34	3
15U45A0423	RT4104L	V L S I LAB	22	46	2
15U45A0423	RT4104M	MICROWAVE ENGINEERING LAB	23	38	2
15U45A0501	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	24	3
15U45A0501	RT41052	UML AND DESIGN PATTERNS	23	49	3
15U45A0501	RT41053	MOBILE COMPUTING	24	36	3
15U45A0501	RT41054	SOFTWARE TESTING METHODOLOGIES	23	59	3
15U45A0501	RT4105B	HADOOP AND BIG DATA	28	34	3
15U45A0501	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15U45A0501	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2

Htno	Subcode	Subname	Internal	External	Credits
15U45A0501	RT4105N	SOFTWARE TESTING LAB	25	50	2
15U45A0501	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
15U45A0503	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	30	3
15U45A0503	RT41052	UML AND DESIGN PATTERNS	24	38	3
15U45A0503	RT41053	MOBILE COMPUTING	26	45	3
15U45A0503	RT41054	SOFTWARE TESTING METHODOLOGIES	22	27	3
15U45A0503	RT4105B	HADOOP AND BIG DATA	29	24	3
15U45A0503	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15U45A0503	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
15U45A0503	RT4105N	SOFTWARE TESTING LAB	25	50	2
15U45A0503	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
15U45A0504	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	32	3
15U45A0504	RT41052	UML AND DESIGN PATTERNS	26	35	3
15U45A0504	RT41053	MOBILE COMPUTING	22	39	3
15U45A0504	RT41054	SOFTWARE TESTING METHODOLOGIES	24	28	3
15U45A0504	RT4105B	HADOOP AND BIG DATA	29	36	3
15U45A0504	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15U45A0504	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
15U45A0504	RT4105N	SOFTWARE TESTING LAB	24	48	2
15U45A0504	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
15U45A0505	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	36	3
15U45A0505	RT41052	UML AND DESIGN PATTERNS	21	32	3
15U45A0505	RT41053	MOBILE COMPUTING	20	25	3
15U45A0505	RT41054	SOFTWARE TESTING METHODOLOGIES	23	31	3
15U45A0505	RT4105B	HADOOP AND BIG DATA	22	26	3
15U45A0505	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15U45A0505	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
15U45A0505	RT4105N	SOFTWARE TESTING LAB	24	48	2
15U45A0505	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
15U45A0506	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	40	3
15U45A0506	RT41052	UML AND DESIGN PATTERNS	25	55	3
15U45A0506	RT41053	MOBILE COMPUTING	22	34	3
15U45A0506	RT41054	SOFTWARE TESTING METHODOLOGIES	26	39	3
15U45A0506	RT4105B	HADOOP AND BIG DATA	27	34	3
15U45A0506	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
15U45A0506	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
15U45A0506	RT4105N	SOFTWARE TESTING LAB	25	50	2
15U45A0506	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
15U45A0508	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	25	3
15U45A0508	RT41052	UML AND DESIGN PATTERNS	19	33	3
15U45A0508	RT41053	MOBILE COMPUTING	24	47	3
15U45A0508	RT41054	SOFTWARE TESTING METHODOLOGIES	24	27	3
15U45A0508	RT4105B	HADOOP AND BIG DATA	21	43	3
15U45A0508	RT4105L	UML AND DESIGN PATTERNS LAB	25	50	2
15U45A0508	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	50	2
15U45A0508	RT4105N	SOFTWARE TESTING LAB	25	48	2
15U45A0508	RT4105O	HADOOP AND BIGDATA LAB	22	49	2
15U45A0509	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	35	3
15U45A0509	RT41052	UML AND DESIGN PATTERNS	24	27	3
15U45A0509	RT41053	MOBILE COMPUTING	23	42	3

Htno	Subcode	Subname	Internal	External	Credits
15U45A0509	RT41054	SOFTWARE TESTING METHODOLOGIES	21	30	3
15U45A0509	RT4105B	HADOOP AND BIG DATA	29	36	3
15U45A0509	RT4105L	UML AND DESIGN PATTERNS LAB	22	46	2
15U45A0509	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	44	2
15U45A0509	RT4105N	SOFTWARE TESTING LAB	24	49	2
15U45A0509	RT4105O	HADOOP AND BIGDATA LAB	24	49	2

**NOTE:1 [Last Date for Apply Recounting/Revaluation/Challenge By Revaluation: 04-01-2018]

**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:23-12-2017

N. Mohan Rao
Controller of Examinations