

DIRECTORATE OF TECHNICAL EDUCATION, CHENNAI - 600 025
BOARD EXAMINATIONS :: APRIL 2025
DRAFT EQUIVALENCE OF PRACTICAL SUBJECTS (N/Z SCHEME TO R2023)

Course Code			Course Name					Page ##	
1010			CIVIL ENGINEERING (FULL TIME)					1	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1010	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1010	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4010350	CIVIL ENGINEERING DRAWING AND CAD PRACTICAL - I	1010233440	BUILDING PLANNING AND DRAWING	1010	3	P
3	6	0	4010360	MATERIAL TESTING LABORATORY - I	1010233640	MATERIAL TESTING LAB	1010	3	P
3	7	0	4010370	SURVEYING PRACTICE - I	1010233340	SURVEYING PRACTICE	1010	3	P
4	4	0	4010440	HYDRAULICS LABORATORY	1010233540	HYDRAULICS	1010	3	P
4	5	0	4010450	MATERIAL TESTING LABORATORY – II	1010233640	MATERIAL TESTING LAB	1010	3	P

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1010			CIVIL ENGINEERING (FULL TIME)					2	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4010460	CONSTRUCTION PRACTICE LABORATORY	1010234540	CONSTRUCTION PRACTICES	1010	4	P
4	7	0	4010470	SURVEYING PRACTICE – II	1010233340	SURVEYING PRACTICE	1010	3	P

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1012			ARCHITECTURAL ASSISTANTSHIP (FULL TIME)					3	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1010	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1010	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4012340	BUILDING CONSTRUCTION AND DETAILING - I	1012233740	BUILDING CONSTRUCTION AND DETAILING - I	1012	3	P
3	5	0	4012350	ARCHITECTURAL DRAWING - I	AA232260	ARCHITECTURAL DRAWING - I	1012	2	P
3	6	0	4012360	BASIC DESIGN	AA232440	BASIC DESIGN & VISUAL ARTS	1012	2	P
3	7	0	4012370	COMPUTER APPLICATION IN ARCHITECHTURE - I	1012233620	COMPUTER STUDIO-I	1012	3	P
4	5	0	4012450	BUILDING CONSTRUCTION AND DETAILING II	1012234740	BUILDING CONSTRUCTION AND DETAILING-II	1012	4	P

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1012			ARCHITECTURAL ASSISTANTSHIP (FULL TIME)					4	
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4	6	0	4012460	ARCHITECTURAL DRAWING – II	1012233420	ARCHITECTURAL DRAWING-II	1012	3	P
4	7	0	4012470	ARCHITECTURAL DESIGN STUDIO I	1012233520	ARCHITECTURAL DESIGN STUDIO-I	1012	3	P

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1013			CIVIL AND ENVIRONMENTAL ENGINEERING (FULL TIME)					5	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1013	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1013	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4013350	CIVIL ENGINEERING DRAWING AND CAD PRACTICAL	1010233440	BUILDING PLANNING AND DRAWING	1013	3	P
3	6	0	4013360	MATERIAL TESTING LABORATORY - I	1013233640	CONSTRUCTION MATERIALS AND TESTING LAB	1013	3	P
3	7	0	4013370	SURVEYING PRACTICE - I	1010233340	SURVEYING PRACTICE	1013	3	P
4	4	0	4013440	HYDRAULICS LABORATORY	1010233540	HYDRAULICS	1013	3	P
4	5	0	4013450	MATERIAL TESTING LABORATORY - II	1013233640	CONSTRUCTION MATERIALS AND TESTING LAB	1013	3	P

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1013			CIVIL AND ENVIRONMENTAL ENGINEERING (FULL TIME)					6	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4013460	CONSTRUCTION PRACTICE LABORATORY	1010234540	CONSTRUCTION PRACTICES	1013	4	P
4	7	0	4013470	SURVEYING PRACTICE - II	1010233340	SURVEYING PRACTICE	1013	3	P

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1020			MECHANICAL ENGINEERING (FULL TIME)					7	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1020	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1020	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	1020233540	PRODUCTION DRAWING AND MODELING	1020	3	P
3	6	0	4020360	MANUFACTURING TECHNOLOGY - I PRACTICAL	1020233320	WORKSHOP PRACTICES	1020	3	P
3	7	0	4020370	MEASUREMENTS AND METROLOGY PRACTICAL	1020234640	METROLOGY AND MEASUREMENTS	1020	4	P
4	5	0	4020450	STRENGTH OF MATERIALS AND FLUID MECHANICS PRACTICAL	*** NO EQUIVALENT ***				
4	6	0	4020460	MANUFACTURING TECHNOLOGY II PRACTICAL	1020234320	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	1020	4	P

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1020			MECHANICAL ENGINEERING (FULL TIME)					8	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4020470	ELECTRICAL DRIVES AND CONTROL PRACTICAL	1020233440	INDUSTRIAL DRIVES AND CONTROL	1020	3	P

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1021			AUTOMOBILE ENGINEERING (FULL TIME)					9	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1021	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1021	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4021350	MATERIAL TESTING AND FLUID MECHANICS & PNEUMATICS PRACTICAL	1021233340	MECHANICS OF MATERIALS	1021	3	P
3	6	0	4021360	PRODUCTION TECHNOLOGY PRACTICAL	1021234340	MANUFACTURING TECHNOLOGY II	1021	4	P
3	7	0	4020370	MEASUREMENTS AND METROLOGY PRACTICAL	1020234640	METROLOGY AND MEASUREMENTS	1021	4	P
4	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	1021233540	AUTOMOBILE ENGINEERING DRAWING	1021	3	P
4	6	0	4021460	AUTOMOTIVE ELECTRICAL AND ELECTRONICS SYSTEMS PRACTICAL	1021233440	AUTOMOTIVE ELECTRICAL AND ELECTRONICS SYSTEMS	1021	3	P

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1021			AUTOMOBILE ENGINEERING (FULL TIME)					10	
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4	7	0	4021470	AUTOMOTIVE ENGINES PRACTICAL	1020234540	HEAT POWER ENGINEERING	1020	4	P

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1023			AGRICULTURAL ENGINEERING (FULL TIME)					11	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1023	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1023	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4023340	PRINCIPLES OF CROP PRODUCTION PRACTICAL	1023233640	PRINCIPLES OF CROP PRODUCTION	1023	3	P
3	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	1023233540	MACHINE DRAWING & CAD	1023	3	P
3	6	0	4023360	SURVEYING AND LEVELLING PRACTICAL	1010233340	SURVEYING PRACTICE	1023	3	P
3	7	0	4020370	MEASUREMENTS AND METROLOGY PRACTICAL	1020234640	METROLOGY AND MEASUREMENTS	1020	4	P
4	5	0	4023450	MECHANICAL TESTING & FLUID POWER PRACTICAL	1023234520	FLUID MECHANICS PRACTICAL	1023	4	P

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1023			AGRICULTURAL ENGINEERING (FULL TIME)					12	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4023460	MACHINE SHOP – I PRACTICAL (LATHE AND WELDING)	1023234640	MACHINE SHOP PRACTICE	1023	4	P
4	7	0	4020470	ELECTRICAL DRIVES AND CONTROL PRACTICAL	1020233440	INDUSTRIAL DRIVES AND CONTROL	1023	3	P

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1025			PRODUCTION ENGINEERING (FULL TIME)					13	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1025	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1025	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	1020233540	PRODUCTION DRAWING AND MODELING	1025	3	P
3	6	0	4020360	MANUFACTURING TECHNOLOGY - I PRACTICAL	1020233320	WORKSHOP PRACTICES	1025	3	P
3	7	0	4025370	METROLOGY AND METALLOGRAPHY PRACTICAL	1025233640	METROLOGY AND METALLOGRAPHY	1025	3	P
4	5	0	4020450	STRENGTH OF MATERIALS AND FLUID MECHANICS PRACTICAL	*** NO EQUIVALENT ***				
4	6	0	4020460	MANUFACTURING TECHNOLOGY II PRACTICAL	1025234320	METAL CUTTING AND CNC MACHINES	1025	4	P

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1025			PRODUCTION ENGINEERING (FULL TIME)					14	
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4	7	0	4020470	ELECTRICAL DRIVES AND CONTROL PRACTICAL	1020233440	INDUSTRIAL DRIVES AND CONTROL	1025	3	P

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1026			METALLURGY (FULL TIME)					15	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1026	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1026	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4026340	METALLOGRAPHY PRACTICAL	1026233640	METALLOGRAPHY PRACTICAL	1026	3	P
3	5	0	4026350	FUELS TESTING AND METALLURGICAL ANALYSIS PRACTICAL	1026233320	FUEL TESTING PRACTICAL	1026	3	P
3	6	0	4026360	FOUNDRY PRACTICAL	1026233420	FOUNDRY PRACTICAL	1026	3	P
3	7	0	4020370	MEASUREMENTS AND METROLOGY PRACTICAL	1020234640	METROLOGY AND MEASUREMENTS	1020	4	P
4	5	0	4026450	CAD IN METALLURGY PRACTICAL	*** NO EQUIVALENT ***				

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1026			METALLURGY (FULL TIME)					16	
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4	6	0	4026460	HEAT TREATMENT PRACTICAL	1026234440	HEAT TREATMENT PRACTICAL	1026	4	P
4	7	0	4026470	LATHE AND DRILLING PRACTICAL	*** NO EQUIVALENT ***				

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1027			MARINE ENGINEERING (FULL TIME)					17	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1027	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1027	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4027340	MARINE STRENGTH OF MATERIALS PRACTICAL	1027233540	MARINE STRENGTH OF MATERIALS AND FLUID MECHANICS	1027	3	P
3	5	0	4027350	MARINE FLUID MECHANICS PRACTICAL	1027233540	MARINE STRENGTH OF MATERIALS AND FLUID MECHANICS	1027	3	P
3	6	0	4027360	SHIP CONSTRUCTION TECHNOLOGY PRACTICAL	1027233320	SHIP CONSTRUCTION TECHNOLOGY PRACTICAL - I	1027	3	P
3	7	0	4027370	MARINE WORKSHOP TECHNOLOGY - I PRACTICAL	1027233640	MARINE WORKSHOP PRACTICE - I	1027	3	P
4	5	0	4027450	MARINE WORKSHOP TECHNOLOGY II PRACTICAL	1027234640	MARINE WORKSHOP PRACTICE	1027	4	P

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1027			MARINE ENGINEERING (FULL TIME)						18
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4	6	0	4027460	COMPUTER AIDED MARINE ENGINEERING DRAWING PRACTICAL	*** NO EQUIVALENT ***				
4	7	0	4020470	ELECTRICAL DRIVES AND CONTROL PRACTICAL	1020233440	INDUSTRIAL DRIVES AND CONTROL	1027	3	P

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1030			ELECTRICAL AND ELECTRONICS ENGINEERING (FULL TIME)					19	
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1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1030	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1030	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	*** NO EQUIVALENT ***				
3	5	0	4030350	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	1030233620	ELECTRICAL MACHINES I PRACTICAL	1030	3	P
3	6	0	4030360	ELECTRICAL WORK SHOP PRACTICAL	1030234540	SERVICING OF ELECTRICAL APPLIANCES	1030	4	P
3	7	0	4030370	WIRING AND WINDING PRACTICAL	*** NO EQUIVALENT ***				
4	5	0	4030450	ELECTRICAL MACHINES AND INSTRUMENTATION PRACTICAL	1030234620	ELECTRICAL MACHINES II PRACTICAL	1030	4	P

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1030			ELECTRICAL AND ELECTRONICS ENGINEERING (FULL TIME)					20	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4040460	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	1030233440	ANALOG AND DIGITAL ELECTRONICS	1030	3	P
4	7	0	4030470	ELECTRICAL CIRCUITS AND SIMULATION PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1040			ELECTRONICS AND COMMUNICATION ENGINEERING (FULL TIME)					21	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1040	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1040	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233320	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040	3	P
3	5	0	4040350	ELECTRICAL CIRCUITS AND INSTRUMENTATION PRACTICAL	1040233640	ELECTRICAL CIRCUITS AND MACHINES	1040	3	P
3	6	0	4040360	PROGRAMMING IN 'C' PRACTICAL	1040234540	PROGRAMMING IN C	1040	4	P
3	7	0	4040370	SIMULATION PRACTICAL	*** NO EQUIVALENT ***				
4	5	0	4040440	INDUSTRIAL ELECTRONICS PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1040			ELECTRONICS AND COMMUNICATION ENGINEERING (FULL TIME)					22	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4040450	COMMUNICATION ENGINEERING PRACTICAL	1040234340	BASICS OF COMMUNICATION ENGINEERING	1040	4	P
4	7	0	4040460	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1042			INSTRUMENTATION AND CONTROL ENGINEERING (FULL TIME)					23	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1042	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1042	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4042340	ELECTRICAL ENGINEERING PRACTICAL	1042233440	CIRCUIT THEORY AND MACHINES	1042	3	P
3	5	0	4042350	ELECTRONICS ENGINEERING PRACTICAL	1042233540	PRINCIPLES OF ELECTRONICS ENGINEERING	1042	3	P
3	6	0	4042360	BASICS OF INSTRUMENTATION PRACTICAL	1042233320	SENSORS AND TRANSDUCERS PRACTICAL	1042	3	P
3	7	0	4042370	C PROGRAMMING PRACTICAL	1042233640	BASICS OF C PROGRAMMING	1042	3	P
4	5	0	4042450	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	1042234540	ANALOG AND DIGITAL ELECTRONICS	1042	4	P

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Course Code			Course Name					Page ##	
1042			INSTRUMENTATION AND CONTROL ENGINEERING (FULL TIME)					24	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4042460	MEASUREMENT OF PROCESS VARIABLES PRACTICAL	1042234320	MEASUREMENT OF PROCESS VARIABLES PRACTICAL	1042	4	P
4	7	0	4042470	VIRTUAL INSTRUMENTATION PRACTICAL	1042234440	VIRTUAL INSTRUMENTATION	1042	4	P

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Course Code			Course Name					Page ##	
1046			INFORMATION TECHNOLOGY (FULL TIME)					25	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1046	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1046	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4052340	ELECTRICAL AND ELECTRONICS ENGINEERING PRACTICAL	1046233340	BASICS OF DIGITAL LOGIC DESIGN	1046	3	P
3	5	0	4052350	LINUX PRACTICAL	1052233640	OPERATING SYSTEMS	1046	3	P
3	6	0	4052360	C PROGRAMMING AND DATA STRUCTURE PRACTICAL	1052233440	C PROGRAMMING	1046	3	P
3	7	0	4052370	E-PUBLISHING PRACTICAL	1052234540	E-PUBLISHING TOOLS	1046	4	P
4	5	0	4052450	WEB DESIGN AND PROGRAMMING PRACTICAL	1052233540	WEB DESIGNING	1046	3	P

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Course Code			Course Name					Page ##	
1046			INFORMATION TECHNOLOGY (FULL TIME)					26	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4052460	JAVA PROGRAMMING PRACTCAL	1052234340	JAVA PROGRAMMING	1046	4	P
4	7	0	4052470	RDBMS PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1047			MECHATRONICS ENGINEERING (FULL TIME)					27	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1047	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1047	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233320	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040	3	P
3	5	0	4047350	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	1030233620	ELECTRICAL MACHINES I PRACTICAL	1030	3	P
3	6	0	4047360	MANUFACTURING TECHNOLOGY PRACTICAL	1047233540	MANUFACTURING TECHNOLOGY	1047	3	P
3	7	0	4047370	CAD PRACTICAL	1047233320	CAD FOR AUTOMATION	1047	3	P
4	5	0	4040460	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	1030233440	ANALOG AND DIGITAL ELECTRONICS	1030	3	P

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Course Code			Course Name					Page ##	
1047			MECHATRONICS ENGINEERING (FULL TIME)					28	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4047460	INDUSTRIAL INSTRUMENTATION AND SENSORS PRACTICAL	*** NO EQUIVALENT ***				
4	7	0	4040550	MICROCONTROLLER PRACTICAL	1040234652	MICROCONTROLLER PRACTICAL	1040	4	P

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Course Code			Course Name					Page ##	
1049			ELECTRONICS (ROBOTICS) (FULL TIME)					29	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1049	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1049	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233320	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040	3	P
3	5	0	4047350	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	1030233620	ELECTRICAL MACHINES I PRACTICAL	1030	3	P
3	6	0	4047360	MANUFACTURING TECHNOLOGY PRACTICAL	1047233540	MANUFACTURING TECHNOLOGY	1049	3	P
3	7	0	4047370	CAD PRACTICAL	1047233320	CAD FOR AUTOMATION	1049	3	P
4	5	0	4040460	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	1030233440	ANALOG AND DIGITAL ELECTRONICS	1030	3	P

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Course Code			Course Name					Page ##	
1049			ELECTRONICS (ROBOTICS) (FULL TIME)					30	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4047460	INDUSTRIAL INSTRUMENTATION AND SENSORS PRACTICAL	*** NO EQUIVALENT ***				
4	7	0	4040550	MICROCONTROLLER PRACTICAL	1040234652	MICROCONTROLLER PRACTICAL	1040	4	P

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Course Code			Course Name					Page ##	
1052			COMPUTER ENGINEERING (FULL TIME)					31	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1052	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1052	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4052340	ELECTRICAL AND ELECTRONICS ENGINEERING PRACTICAL	1052233320	DIGITAL LOGIC DESIGN LAB	1052	3	P
3	5	0	4052350	LINUX PRACTICAL	1052233640	OPERATING SYSTEMS	1052	3	P
3	6	0	4052360	C PROGRAMMING AND DATA STRUCTURE PRACTICAL	1052233440	C PROGRAMMING	1052	3	P
3	7	0	4052370	E-PUBLISHING PRACTICAL	1052234540	E-PUBLISHING TOOLS	1052	4	P
4	5	0	4052450	WEB DESIGN AND PROGRAMMING PRACTICAL	1052233540	WEB DESIGNING	1052	3	P

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Course Code			Course Name					Page ##	
1052			COMPUTER ENGINEERING (FULL TIME)					32	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4052460	JAVA PROGRAMMING PRACTCAL	1052234340	JAVA PROGRAMMING	1052	4	P
4	7	0	4052470	RDBMS PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1053			COMPUTER NETWORKING (FULL TIME)					33	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1030	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1030	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4052340	ELECTRICAL AND ELECTRONICS ENGINEERING PRACTICAL	1052233320	DIGITAL LOGIC DESIGN LAB	1051	3	P
3	5	0	4052350	LINUX PRACTICAL	1052233640	OPERATING SYSTEMS	1046	3	P
3	6	0	4053360	C PROGRAMMING PRACTICAL	1052233440	C PROGRAMMING	1046	3	P
3	7	0	4052370	E-PUBLISHING PRACTICAL	1052234540	E-PUBLISHING TOOLS	1046	4	P
4	5	0	4052450	WEB DESIGN AND PROGRAMMING PRACTICAL	1052233540	WEB DESIGNING	1046	3	P

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Course Code			Course Name					Page ##	
1053			COMPUTER NETWORKING (FULL TIME)					34	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4052460	JAVA PROGRAMMING PRACTCAL	1052234340	JAVA PROGRAMMING	1046	4	P
4	7	0	4053470	COMPUTER NETWORKS & SECURITY PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1054			3D ANIMATION AND GRAPHICS (FULL TIME)					35	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1054	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1010	2	P
2	8	0	45428	ART AND FOUNDATION - I PRACTICAL	AN232460	ART & FOUNDATION - I PRACTICAL	1054	2	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4054340	ART AND FOUNDATION - II PRACTICAL	1054233340	ART & FOUNDATION- II	1054	3	P
3	5	0	4054350	GRAPHIC DESIGNING PRACTICAL	1054233620	RASTER& VECTOR GRAPHICS LAB	1054	3	P
3	6	0	4054360	DIGITAL PHOTOGRAPHY PRACTICAL	1054233520	DIGITAL PHOTOGRAPHY LAB	1054	3	P
3	7	0	4054370	2D GRAPHICS AND ANIMATION PRACTICAL	1054233440	TRADITIONAL 2D ANIMATION	1054	3	P
4	5	0	4054450	3D ANIMATION AND GRAPHICS PRACTICAL	1054234620	3D DESIGNING & ANIMATION	1054	4	P

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Course Code			Course Name					Page ##	
1054			3D ANIMATION AND GRAPHICS (FULL TIME)					36	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4054460	2D DIGITAL ANIMATION PRACTICAL	1054234550	2D DIGITAL ANIMATION	1054	4	P
4	7	0	4054470	WEB DESIGNING PRACTICAL	1054234340	UX DESIGNING AND E-PUBLISHING	1054	4	P

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Course Code			Course Name					Page ##	
1055			COMMUNICATION AND COMPUTER NETWORKING (FULL TIME)					37	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1055	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1055	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4055340	ELECTRONIC DEVICES AND COMMUNICATION COMPONENTS	1055233540	ELECTRONICS DEVICES AND CIRCUITS	1055	3	P
3	5	0	4055350	OPERATING SYSTEM AND NOS PRACTICAL	1052233640	OPERATING SYSTEMS	1055	3	P
3	6	0	4040360	PROGRAMMING IN 'C' PRACTICAL	1055233440	C PROGRAMMING AND DATA STRUCTURES	1055	3	P
3	7	0	4052370	E-PUBLISHING PRACTICAL	1052234540	E-PUBLISHING TOOLS	1046	4	P
4	5	0	4040460	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	1055233320	ANALOG AND DIGITAL ELECTRONICS LAB	1055	3	P

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Course Code			Course Name					Page ##	
1055			COMMUNICATION AND COMPUTER NETWORKING (FULL TIME)					38	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4040450	COMMUNICATION ENGINEERING PRACTICAL	1040234340	BASICS OF COMMUNICATION ENGINEERING	1040	4	P
4	7	0	4052460	JAVA PROGRAMMING PRACTCAL	1052234340	JAVA PROGRAMMING	1055	4	P

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Course Code			Course Name					Page ##	
1056			ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (FULL TIME)					39	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1056	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1056	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4052540	PYTHON PROGRAMMING PRACTICAL	1056233320	PROGRAMMING PARADIGMS WITH PYTHON	1056	3	P
3	5	0	4052350	LINUX PRACTICAL	1052233640	OPERATING SYSTEMS	1056	3	P
3	6	0	4056360	DATA STRUCTURES USING PYTHON PRACTICAL	1052234230	DATA STRUCTURES USING PYTHON	1056	4	T
3	7	0	4052370	E-PUBLISHING PRACTICAL	1052234540	E-PUBLISHING TOOLS	1046	4	P
4	5	0	4056450	R PROGRAMMING PRACTICAL	1056234340	R PROGRAMMING	1056	4	P

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Course Code			Course Name					Page ##	
1056			ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (FULL TIME)					40	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4052460	JAVA PROGRAMMING PRACTCAL	1056233440	OOPS WITH JAVA	1056	3	P
4	7	0	4052470	RDBMS PRACTICAL	1056233540	INTRODUCTION TO DATABASE CONCEPTS	1056	3	P

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Course Code			Course Name					Page ##	
1058			COMPUTER ENGINEERING AND IOT (FULL TIME)					41	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1058	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1058	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4058340	FUNDAMENTALS OF ELECTRICAL AND ELECTRONICS ENGINEERING	*** NO EQUIVALENT ***				
3	5	0	4052350	LINUX PRACTICAL	1052233640	OPERATING SYSTEMS	1058	3	P
3	6	0	4052360	C PROGRAMMING AND DATA STRUCTURE PRACTICAL	1052233440	C PROGRAMMING	1058	3	P
3	7	0	4058370	E-PUBLISHING AND MULTIMEDIA SYSTEM PRACTICAL	1058233320	E-PUBLISHING PRACTICAL	1058	3	P
4	5	0	4058450	DIGITAL ELECTRONICS AND MICROCONTROLLERS PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1058			COMPUTER ENGINEERING AND IOT (FULL TIME)					42	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4052460	JAVA PROGRAMMING PRACTCAL	1058234440	OBJECT ORIENTED PROGRAMMING IN JAVA	1058	4	P
4	7	0	4052563	MOBILE COMPUTING PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1060			TEXTILE TECHNOLOGY (FULL TIME)					43	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1060	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1060	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4060340	FIBRE IDENTIFICATION - PRACTICAL	1060233420	FIBRE IDENTIFICATION PRACTICAL	1060	3	P
3	5	0	4060350	YARN MANUFACTURE - I PRACTICAL	1060233540	TECHNOLOGY OF SPINNING PROCESS - I	1060	3	P
3	6	0	4060360	FABRIC MANUFACTURE - I PRACTICAL	1060233640	TECHNOLOGY OF WEAVING PROCESS - I	1060	3	P
3	7	0	4060370	QUALITY ANALYSIS IN SPINNING AND WEAVING PREPARATORY - PRAC	*** NO EQUIVALENT ***				
4	5	0	4060450	YARN MANUFACTURE – II PRACTICAL	1060234540	TECHNOLOGY OF SPINNING PROCESS-II	1060	4	P

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Course Code			Course Name					Page ##	
1060			TEXTILE TECHNOLOGY (FULL TIME)					44	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4060460	FABRIC MANUFACTURE – II PRACTICAL	1060234640	TECHNOLOGY OF WEAVING PROCESS -II	1060	4	P
4	7	0	4060470	FABRIC STRUCTURE PRACTICAL	1060234320	FABRIC STRUCTURE ANALYSIS	1060	4	P

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Course Code			Course Name					Page ##	
1061			TEXTILE PROCESSING (FULL TIME)					45	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1061	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1061	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4061340	FIBRE AND CHEMICAL ANALYSIS PRACTICAL	1061233420	FIBRE AND CHEMICAL ANALYSIS	1061	3	P
3	5	0	4061350	PRETREATMENT FOR TEXTILE COLOURATION PRACTICAL	1061233520	CHEMICAL PREPARATORY PROCESSES FOR TEXTILES	1061	3	P
3	6	0	4061360	DYEING OF NATURAL FIBRES PRACTICAL	1061233620	TECHNOLOGY OF NATURAL FIBRE DYEING	1061	3	P
3	7	0	4061370	QUALITY ASSURANCE IN PRETREATMENT AND DYEING	1061234520	QUALITY ASSURANCE IN TEXTILE PROCESSING	1061	4	P
4	5	0	4061450	TEXTILE MANUFACTURING TECHNOLOGY PRACTICAL	1061234640	TEXTILE MANUFACTURING TECHNOLOGY	1061	4	P

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Course Code			Course Name					Page ##	
1061			TEXTILE PROCESSING (FULL TIME)					46	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4061460	DYEING OF MANMADE FIBRES AND BLENDS PRACTICAL	1061234320	TECHNOLOGY OF MAN MADE FIBRES AND BLENDS DYEING	1061	4	P
4	7	0	4061470	TECHNOLOGY OF TEXTILE FINISHING PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1064			TEXTILE MARKETING AND MANAGEMENT (FULL TIME)					47	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1064	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1064	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4066340	FASHION DESIGNING PRACTICAL	1064233520	FASHION SKETCHING	1064	3	P
3	5	0	4064350	TEXTILE MARKET DATABASE MANAGEMENT - PRACTICAL	1064233620	TEXTILE MARKET DATABASE MANAGEMENT	1064	3	P
3	6	0	4064360	FIBRE ANALYSIS PRACTICAL	1064233420	IDENTIFICATION OF TEXTILE FIBRES	1064	3	P
3	7	0	4066370	FASHION ACCESSORIES PRACTICAL	*** NO EQUIVALENT ***				
4	5	0	4061450	TEXTILE MANUFACTURING TECHNOLOGY PRACTICAL	1061234640	TEXTILE MANUFACTURING TECHNOLOGY	1064	4	P

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Course Code			Course Name					Page ##	
1064			TEXTILE MARKETING AND MANAGEMENT (FULL TIME)					48	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4064460	TEXTILE ADVERTISEMENT TECHNOLOGY PRACTICAL	1064234320	TEXTILE ADVERTISEMENT TECHNOLOGY	1064	4	P
4	7	0	4064470	TEXTILE QUALITY MANAGEMENT PRACTICAL	1064234420	STATISTICAL QUALITY CONTROL	1064	4	P

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Course Code			Course Name					Page ##	
1066			GARMENT TECHNOLOGY (FULL TIME)					49	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1066	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1066	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4066340	FASHION DESIGNING PRACTICAL	1066233520	FASHION ILLUSTRATION	1066	3	P
3	5	0	4066350	EMBROIDERY PRACTICAL	1066233420	SURFACE ORNAMENTATION	1066	3	P
3	6	0	4066360	APPAREL DESIGNING PRACTICAL	1066233620	BASIC GARMENT CONSTRUCTION	1066	3	P
3	7	0	4066370	FASHION ACCESSORIES PRACTICAL	*** NO EQUIVALENT ***				
4	5	0	4066450	PATTERN DRAFTING – I PRACTICAL	1066234640	GARMENT PATTERN DRAFTING I	1066	4	P

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Course Code			Course Name					Page ##	
1066			GARMENT TECHNOLOGY (FULL TIME)					50	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4066460	GARMENT CONSTRUCTION – I PRACTICAL	1066234320	CHILDREN GARMENT CONSTRUCTION	1066	4	P
4	7	0	4066470	HOME TEXTILES PRACTICAL	1066234520	HOME TEXTILES@	1066	4	P

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Course Code			Course Name					Page ##	
1068			TEXTILE TECHNOLOGY (KNITTING) (FULL TIME)					51	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1068	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1068	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4067340	KNIT STRUCTURES - I PRACTICAL	1068233110	BASIC KNITTING TECHNOLOGY	1068	3	T
3	5	0	4066350	EMBROIDERY PRACTICAL	1068233420	FABRIC ORNAMENTATION	1068	3	P
3	6	0	4066360	APPAREL DESIGNING PRACTICAL	1068233640	FUNDAMENTALS OF APPAREL CONSTRUCTION	1068	3	P
3	7	0	4067370	WOVEN GARMENT PATTERN DRAFTING PRACTICAL	1068233320	PATTERN DRAFTING & CONSTRUCTION OF KIDS AND	1068	3	P
4	5	0	4067450	TEXTILE MANUFACTURING PROCESS PRACTICAL	1068234520	SPINNING AND WEAVING	1068	4	P

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Course Code			Course Name					Page ##	
1068			TEXTILE TECHNOLOGY (KNITTING) (FULL TIME)					52	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4067460	KNIT STRUCTURES-II	1068234640	ADVANCED KNITTING TECHNOLOGY	1068	4	P
4	7	0	4067470	KNITTED GARMENT PATTERN DRAFTING PRACTICAL	1068234320	PATTERN DRAFTING & CONSTRUCTION OF KID	1068	4	P

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Course Code			Course Name					Page ##	
1069			APPAREL TECHNOLOGY (FULL TIME)					53	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1069	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1069	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4066340	FASHION DESIGNING PRACTICAL	1066233520	FASHION ILLUSTRATION	1069	3	P
3	5	0	4066350	EMBROIDERY PRACTICAL	1066233420	SURFACE ORNAMENTATION	1069	3	P
3	6	0	4066360	APPAREL DESIGNING PRACTICAL	1066233620	BASIC GARMENT CONSTRUCTION	1069	3	P
3	7	0	4066370	FASHION ACCESSORIES PRACTICAL	*** NO EQUIVALENT ***				
4	5	0	4069450	PATTERN DRAFTING – I PRACTICAL	1066234640	GARMENT PATTERN DRAFTING I	1069	4	P

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Course Code			Course Name					Page ##	
1069			APPAREL TECHNOLOGY (FULL TIME)					54	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4069460	GARMENT CONSTRUCTION – I PRACTICAL	1066234320	CHILDREN GARMENT CONSTRUCTION	1069	4	P
4	7	0	4069470	HOME TEXTILES PRACTICAL	1066234520	HOME TEXTILES@	1069	4	P

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Course Code			Course Name					Page ##	
1070			CHEMICAL TECHNOLOGY (FULL TIME)					55	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1070	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1070	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4076350	TECHNICAL ANALYSIS PRACTICAL	1076233520	TECHNICAL ANALYSIS PRACTICAL	1076	3	P
3	6	0	4076360	GENERAL ENGINEERING PRACTICAL	1076233640	GENERAL ENGINEERING*	1075	3	P
3	7	0	4076370	MOMENTUM TRANSFER PRACTICAL	1076233320	MOMENTUM TRANSFER PRACTICAL*	1075	3	P
4	5	0	4076450	MECHANICAL OPERATIONS PRACTICAL	1076234520	MECHANICAL OPERATIONS PRACTICAL*	1070	4	P
4	6	0	4076460	HEAT TRANSFER PRACTICAL	1076234420	HEAT TRANSFER PRACTICAL*	1070	4	P

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Course Code			Course Name					Page ##	
1070			CHEMICAL TECHNOLOGY (FULL TIME)					56	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4076470	CHEMICAL TECHNOLOGY PRACTICAL	1076234310	CHEMICAL TECHNOLOGY	1070	4	T

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Course Code			Course Name					Page ##	
1074			SUGAR TECHNOLOGY (FULL TIME)					57	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1074	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1074	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4076350	TECHNICAL ANALYSIS PRACTICAL	1074233520	TECHNICAL ANALYSIS PRACTICAL	1074	3	P
3	6	0	4076360	GENERAL ENGINEERING PRACTICAL	SU232460	BASIC ENGINEERING PRACTICAL FOR SUGAR INDUSTRY	1074	2	P
3	7	0	4074370	SUGAR TECHNOLOGY PRACTICAL - I	1074233420	SUGAR TECHNOLOGY PRACTICAL-I	1074	3	P
4	4	0	4074440	CHEMICAL CONTROL PRACTICAL	1074233620	CHEMICAL CONTROL PRACTICAL	1074	3	P
4	5	0	4074450	FLUID MECHANICS PRACTICAL	1074234330	FLUID MECHANICS	1074	4	T

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Course Code			Course Name					Page ##	
1074			SUGAR TECHNOLOGY (FULL TIME)					58	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4074460	SUGAR TECHNOLOGY PRACTICAL - II	1074234420	SUGAR TECHNOLOGY PRACTICAL-II	1074	4	P
4	7	0	4074470	CAD PRACTICAL	1074234520	CAD PRACTICAL	1074	4	P

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Course Code			Course Name					Page ##	
1075			PETROCHEMICAL ENGINEERING (FULL TIME)					59	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1075	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1075	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4076350	TECHNICAL ANALYSIS PRACTICAL	*** NO EQUIVALENT ***				
3	6	0	4076360	GENERAL ENGINEERING PRACTICAL	1076233640	GENERAL ENGINEERING*	1075	3	P
3	7	0	4076370	MOMENTUM TRANSFER PRACTICAL	1076233320	MOMENTUM TRANSFER PRACTICAL*	1075	3	P
4	5	0	4076450	MECHANICAL OPERATIONS PRACTICAL	1076234520	MECHANICAL OPERATIONS PRACTICAL*	1075	4	P
4	6	0	4076460	HEAT TRANSFER PRACTICAL	1076234420	HEAT TRANSFER PRACTICAL*	1075	4	P

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Course Code			Course Name					Page ##	
1075			PETROCHEMICAL ENGINEERING (FULL TIME)					60	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4075470	DISTILLATE TESTING PRACTICAL I	1075233520	DISTILLATE TESTING PRACTICAL	1075	3	P

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Course Code			Course Name					Page ##	
1076			CHEMICAL ENGINEERING (FULL TIME)					61	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1076	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1076	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4076350	TECHNICAL ANALYSIS PRACTICAL	1076233520	TECHNICAL ANALYSIS PRACTICAL	1076	3	P
3	6	0	4076360	GENERAL ENGINEERING PRACTICAL	1076233640	GENERAL ENGINEERING*	1076	3	P
3	7	0	4076370	MOMENTUM TRANSFER PRACTICAL	1076233320	MOMENTUM TRANSFER PRACTICAL*	1076	3	P
4	5	0	4076450	MECHANICAL OPERATIONS PRACTICAL	1076234520	MECHANICAL OPERATIONS PRACTICAL*	1076	4	P
4	6	0	4076460	HEAT TRANSFER PRACTICAL	1076234420	HEAT TRANSFER PRACTICAL*	1076	4	P

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Course Code			Course Name					Page ##	
1076			CHEMICAL ENGINEERING (FULL TIME)					62	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4076470	CHEMICAL TECHNOLOGY PRACTICAL	1076234310	CHEMICAL TECHNOLOGY	1076	4	T

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Course Code			Course Name					Page ##	
1078			FOOD PROCESSING AND PRESERVATION (FULL TIME)					63	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
3	4	0	4078340	FOOD CHEMISTRY PRACTICAL	1078233420	FOOD CHEMISTRY	1078	3	P
3	5	0	4078350	FOOD MICROBIOLOGY PRACTICAL	1078233520	FOOD MICROBIOLOGY	1078	3	P
3	6	0	4078360	FUNDAMENTALS OF NUTRITION PRACTICAL	1078233640	FUNDAMENTALS OF NUTRITION	1078	3	P
3	7	0	4078370	FUNDAMENTALS OF FOOD SCIENCE PRACTICAL	1078233740	FUNDAMENTALS OF FOOD SCIENCE	1078	3	P
4	5	0	4078450	FOOD PROCESSING TECHNOLOGY PRACTICAL	1078234520	FOOD PROCESSING TECHNOLOGY	1078	4	P
4	6	0	4078460	FOOD ANALYSIS AND QUALITY CONTROL PRACTICAL	1078234620	FOOD ANALYSIS & QUALITY CONTROL	1078	4	P
4	7	0	4078470	ELECTRICAL AND ELECTRONICS ENGINEERING PRACTICAL	1078234740	ELECTRICAL AND ELECTRONIC ENGINEERING	1078	4	P

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Course Code			Course Name					Page ##	
1079			PAPER TECHNOLOGY (FULL TIME)					64	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1079	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1079	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4079340	PULPING TECHNOLOGY PRACTICAL	1079233320	PULPING TECHNOLOGY PRACTICAL	1079	3	P
3	5	0	4079350	FLUID MECHANICS PRACTICAL	1079233540	FLUID MECHANICS	1079	3	P
3	6	0	4079360	ELECTRICAL AND ELECTRONICS ENGINEERING PRACTICAL	1079233640	ELECTRICAL AND ELECTRONICS ENGINEERING	1079	3	P
3	7	0	4079370	UNIT OPERATIONS PRACTICAL	1079233440	UNIT OPERATIONS	1079	3	P
4	5	0	4079450	STOCK PREPERATION AND ALLIED CHEMICALS PRACTICAL	1079234320	ADVANCED PULPING PROCESSES	1079	4	P

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Course Code			Course Name					Page ##	
1079			PAPER TECHNOLOGY (FULL TIME)					65	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4079460	CHEMICAL RECOVERY PRACTICAL	1079234640	CHEMICAL RECOVERY AND ANALYSIS PRACTICAL	1079	4	P
4	7	0	4079470	CHEMICAL CAD PRACTICAL	1079234540	CHEMICAL CAD PRACTICAL	1079	4	P

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Course Code			Course Name					Page ##	
1080			COMMERCIAL PRACTICE (FULL TIME)					66	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	7	0	48117	OFFICE AUTOMATION LAB - I	1080231720	OFFICE AUTOMATION LAB - I	1080	1	P
2	5	0	48126	OFFICE AUTOMATION LAB II	1080232620		0	0	
2	6	0	48127	COMMERCIAL PRACTICE LAB - I	1080232540		0	0	
2	7	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1080	1	P
3	6	0	4080360	DATA ANALYTICAL LAB	*** NO EQUIVALENT ***				
3	7	0	4080370	DESKTOP PUBLISHING LAB	*** NO EQUIVALENT ***				
4	6	0	4080460	COMPUTERIZED ACCOUNTING LAB I	*** NO EQUIVALENT ***				
4	7	0	4080470	RDBMS LAB	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1081			MODERN OFFICE PRACTICE (FULL TIME)					67	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	7	0	48117	OFFICE AUTOMATION LAB - I	1080231720	OFFICE AUTOMATION LAB - I	1081	1	P

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Course Code			Course Name					Page ##	
1082			OFFICE MANAGEMENT AND COMPUTER APPLICATIONS (FULL TIME)					68	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	7	0	48117	OFFICE AUTOMATION LAB - I	1080231720	OFFICE AUTOMATION LAB - I	1080	1	P
2	6	0	48126	OFFICE AUTOMATION LAB II	1080232620		0	0	
2	7	0	48227	WEB DESIGNING LAB	CH232451	APPLIED CHEMISTRY - I	1010	2	P
2	8	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	6	0	4082360	C PROGRAMMING LAB	*** NO EQUIVALENT ***				
3	7	0	4080370	DESKTOP PUBLISHING LAB	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1091			AIRCRAFT MAINTENANCE ENGINEERING (AVIONICS)					69	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1010	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1010	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4092340	BASICS OF ELECTRONICS AND MICROPROCESSOR PRACTICAL	1042233540	PRINCIPLES OF ELECTRONICS ENGINEERING	1042	3	P
3	5	0	4092350	COMPONENTS OF AIRCRAFT STRUCTURES PRACTICAL	1091233420	COMPONENTS OF AIRCRAFT STRUCTURES PRACTICAL	1091	3	P
3	6	0	4091360	PROGRAMMING LANGUAGE IN C AND C++ PRACTICAL	1042233640	BASICS OF C PROGRAMMING	1042	3	P
3	7	0	4092370	AERO MODELING PRACTICAL USING CAD	1091234520	AERO MODELING PRACTICAL USING CAD	1091	4	P
4	5	0	4091450	AVIONICS SYSTEM – I PRACTICAL	1091233520	AVIONICS SYSTEM	1091	3	P

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Course Code			Course Name					Page ##	
1091			AIRCRAFT MAINTENANCE ENGINEERING (AVIONICS)					70	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4092460	AIRCRAFT ELECTRICAL SYSTEMS PRACTICAL	1091234320	AIRCRAFT SYSTEM PRACTICAL	1091	4	P
4	7	0	4091470	FLIGHT MECHANICS PRACTICAL	1091234640	FUNDAMENTALS OF CONTROL SYSTEMS	1091	4	P

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Course Code			Course Name					Page ##	
1092			AERONAUTICAL ENGINEERING					71	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1010	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1010	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4092340	BASICS OF ELECTRONICS AND MICROPROCESSOR PRACTICAL	1042233540	PRINCIPLES OF ELECTRONICS ENGINEERING	1042	3	P
3	5	0	4092350	COMPONENTS OF AIRCRAFT STRUCTURES PRACTICAL	1091233420	COMPONENTS OF AIRCRAFT STRUCTURES PRACTICAL	1092	3	P
3	6	0	4092360	BASICS OF THERMODYNAMICS AND FLUID MECHANICS PRACTICAL	*** NO EQUIVALENT ***				
3	7	0	4092370	AERO MODELING PRACTICAL USING CAD	1091234520	AERO MODELING PRACTICAL USING CAD	1092	4	P
4	5	0	4092450	MATERIALS AND TESTING PROCESSES PRACTICAL	1092233520	MATERIAL AND TESTING PROCESSES PRACTICAL	1092	3	P

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Course Code			Course Name					Page ##	
1092			AERONAUTICAL ENGINEERING					72	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4092460	AIRCRAFT ELECTRICAL SYSTEMS PRACTICAL	*** NO EQUIVALENT ***				
4	7	0	4092470	AERODYNAMICS PRACTICAL	1092233620	AERODYNAMICS PRACTICAL	1092	3	P

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Course Code			Course Name					Page ##	
1093			BIOMEDICAL ENGINEERING					73	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1093	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1093	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233320	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040	3	P
3	5	0	4141350	ANATOMY AND PHYSIOLOGY PRACTICAL	BM232460	ANATOMY PRACTICES	1093	2	P
3	6	0	4093360	SENSORS AND MEASUREMENTS PRACTICAL	1030233340	SENSORS AND MEASUREMENT	1030	3	P
3	7	0	4141370	MEDICAL ELECTRONICS PRACTICAL	1141234440	ANALOG AND DIGITAL ELECTRONICS	1141	4	P
4	5	0	4141450	MEASURING INSTRUMENTS PRACTICAL	1146233640	SENSORS AND SIGNAL CONDITIONING***	1093	3	P

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Course Code			Course Name					Page ##	
1093			BIOMEDICAL ENGINEERING					74	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4141460	DIGITAL ELECTRONICS AND ITS CIRCUITS PRACTICAL	1040233420	DIGITAL ELECTRONICS PRACTICAL	1093	3	P
4	7	0	4141470	BIOMEDICAL INSTRUMENTS PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1094			LOGISTICS TECHNOLOGY					75	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1094	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1094	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	6	0	4094360	BASIC ACCOUNTING	1094233640	BASIC ACCOUNTING	1094	3	P
3	7	0	4094370	DOCUMENTATION PRACTICAL	1094233420	DOCUMENTATION IN LOGISTICS PRACTICAL	1094	3	P
4	5	0	4094450	COLD CHAIN-LOGISTICS AND MAINTENANCE OF COLD STORAGEES	1094234540	COLD CHAIN-LOGISTICS AND MAINTENANCE OF COLD STORAGEES	1094	4	P
4	6	0	4094460	LOGISTICS INFORMATICS PRACTICAL	1094234440	LOGISTICS INFORMATICS	1094	4	P
4	7	0	4094470	MATERIAL HANDLING EQUIPMENT MAINTENANCE PRACTICAL	1094234320	MATERIAL HANDLING EQUIPMENTS AND MAINTENANCE PRACTICAL	1094	4	P

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Course Code			Course Name					Page ##	
1121			MINING ENGINEERING (FULL TIME)					76	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1121	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1121	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4121340	MINING GEOLOGY PRACTICAL - I	*** NO EQUIVALENT ***				
3	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	1020233540	PRODUCTION DRAWING AND MODELING	1121	3	P
3	6	0	4121360	MINE SUREYING PRACTICAL	1121234540	MINE SURVEYING	1121	4	P
3	7	0	4020470	ELECTRICAL DRIVES AND CONTROL PRACTICAL	1020233440	INDUSTRIAL DRIVES AND CONTROL	1121	3	P
4	5	0	4121450	MINING ENVIRONMENTAL PRACTICAL I	1121233640	MINING ENVIRONMENTAL ENGINEERING	1121	3	P

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Course Code			Course Name					Page ##	
1121			MINING ENGINEERING (FULL TIME)					77	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4121460	MATERIALS AND MATTALURGY PRACTICAL	*** NO EQUIVALENT ***				
4	7	0	4121470	MINING MACHINERY PRACTICAL	1121234640	MINING MACHINERY & MECHANIZATION	1121	4	P

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Course Code			Course Name					Page ##	
1122			FIRE TECHNOLOGY AND SAFETY					78	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1122	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1122	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	42935	SAFETY ENGINEERING PRACTICAL	1122235211		1122	5	
3	6	0	42936	FIRST AID PRACTICAL	1122233540	BASIC FIRST AID	1122	3	P
3	7	0	42937	PERSONNEL PROTECTIVE EQUIPMENT PRACTICAL	1122233640	PERSONAL PROTECTIVE EQUIPMENT	1122	3	P
4	5	0	42945	ELECTRICAL SAFETY PRACTICAL	1122234440	ELECTRICAL SAFETY	1122	4	P
4	6	0	42946	FIRE SAFETY AND FIGHTING PRACTICAL	1122234540	FIRE SAFETY AND FIGHTING	1122	4	P

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Course Code			Course Name					Page ##	
1122			FIRE TECHNOLOGY AND SAFETY					79	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	42947	INDUSTRIAL HYGIENE PRACTICAL	1122234640	INDUSTRIAL HYGIENE	1122	4	P

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Course Code			Course Name					Page ##	
1123			MECHANICAL ENGINEERING (CAD)					80	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1123	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1123	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4020450	STRENGTH OF MATERIALS AND FLUID MECHANICS PRACTICAL	2022233230	STRENGTH OF MATERIALS AND FLUID MECHANICS	2022	3	T
3	6	0	4123360	THERMAL ENGINEERING PRACTICAL	1123233640	THERMAL ENGINEERING	1123	3	P
3	7	0	4020370	MEASUREMENTS AND METROLOGY PRACTICAL	1123233440	MECHANICAL MEASUREMENTS AND METROLOGY	1123	3	P
4	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	1123233540	PRODUCTION DRAWING PRACTICES	1123	3	P
4	6	0	4123460	MANUFACTURING TECHNOLOGY PRACTICAL	1123233320	MANUFACTURING TECHNOLOGY I PRACTICAL	1123	3	P

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Course Code			Course Name					Page ##	
1123			MECHANICAL ENGINEERING (CAD)					81	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4020470	ELECTRICAL DRIVES AND CONTROL PRACTICAL	1123234540	ELECTRICAL DRIVES AND CONTROL	1123	4	P

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Course Code			Course Name					Page ##	
1141			MEDICAL ELECTRONICS					82	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1141	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1141	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233320	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040	3	P
3	5	0	4141350	ANATOMY AND PHYSIOLOGY PRACTICAL	BM232460	ANATOMY PRACTICES	1093	2	P
3	6	0	4141360	BASIC ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	1141233420	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	1141	3	P
3	7	0	4141370	MEDICAL ELECTRONICS PRACTICAL	1141234440	ANALOG AND DIGITAL ELECTRONICS	1141	4	P
4	5	0	4141450	MEASURING INSTRUMENTS PRACTICAL	1146233640	SENSORS AND SIGNAL CONDITIONING***	1093	3	P

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Course Code			Course Name					Page ##	
1141			MEDICAL ELECTRONICS					83	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4141460	DIGITAL ELECTRONICS AND ITS CIRCUITS PRACTICAL	1040233420	DIGITAL ELECTRONICS PRACTICAL	1040	3	P
4	7	0	4141470	BIOMEDICAL INSTRUMENTS PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1142			MEDICAL LABORATORY TECHNOLOGY					84	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1142	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1142	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	5	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1142233320	ELECTRONIC DEVICES & CIRCUITS	1142	3	P
3	6	0	4142360	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	1142233540	ELECTRICAL CIRCUITS AND MACHINES	1142	3	P
3	7	0	4142370	FUNDAMENTALS OF MLT PRACTICAL	1142233640	FUNDAMENTALS OF MEDICAL LABORATORY TECHNOLOGY	1142	3	P
4	4	0	4142440	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	1142234320	ANALOG AND DIGITAL ELECTRONICS	1142	4	P
4	5	0	4142450	SENSORS AND SIGNAL CONDITIONING CIRCUITS PRACTICAL	1142234540	SENSORS AND TRANSDUCER	1142	4	P

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Course Code			Course Name					Page ##	
1142			MEDICAL LABORATORY TECHNOLOGY					85	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4142460	MEASUREMENTS AND INSTRUMENTS PRACTICAL	1142234420	MEASUREMENTS AND INSTRUMENTS	1142	4	P
4	7	0	4142470	CLINICAL PATHOLOGY PRACTICAL	1142234541	CLINICAL PATHOLOGY	1142	4	P

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Course Code			Course Name					Page ##	
1143			TECHNICIAN X-RAY TECHNOLOGY					86	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1030	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1030	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	5	0	4143350	RADIATION PHYSICS PRACTICAL	1143233540	RADIATION PHYSICS PRACTICAL	1143	3	P
3	6	0	4143360	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	*** NO EQUIVALENT ***				
3	7	0	4143370	MANUFACTURING PROCESS PRACTICAL	1143233240	MANUFACTURING TECHNOLOGY	1143	3	P
4	5	0	4143450	X – RAY MACHINES AND ACCESSORIES INSTALLATION SERVICE AND	1143233620	HUMAN ANATOMY PHYSIOLOGY AND ORTHOPEDIC RELATED TO X-RAY	1143	3	P
4	6	0	4143460	HUMAN ANATOMY PHYSIOLOGY AND ORTHOPEDIC RELATED TO X– RAY	1143233620	HUMAN ANATOMY PHYSIOLOGY AND ORTHOPEDIC RELATED TO X-RAY	1143	3	P

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Course Code			Course Name					Page ##	
1143			TECHNICIAN X-RAY TECHNOLOGY					87	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4143470	RADIOGRAPHY PROCEDURES AND IMAGING AND ROLE OF TECHNICIAN	1143234620	RADIOGRAPHY TECHNIQUES	1143	4	P

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Course Code			Course Name					Page ##	
1144			AUTOMATION AND ROBOTICS					88	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1144	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1144	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	5	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233420	DIGITAL ELECTRONICS PRACTICAL	1040	3	P
3	6	0	4047350	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	2049233440	ELEMENTS OF ELECTRICAL ENGINEERING	2149	3	P
3	7	0	4049370	PRODUCTION TECHNOLOGY PRACTICAL	*** NO EQUIVALENT ***				
4	5	0	4049450	PROGRAMMING IN C PRACTICAL	2049233320	PROGRAMMING IN C	2149	3	P
4	6	0	4049460	FLUID POWER AUTOMATION PRACTICAL	2049234540	FLUID POWER AUTOMATION	2049	4	P

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Course Code			Course Name					Page ##	
1144			AUTOMATION AND ROBOTICS					89	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4040460	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	2049233640	ANALOG AND DIGITAL CIRCUITS	2149	3	P

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Course Code			Course Name					Page ##	
1145			BIOMEDICAL ELECTRONICS					90	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1145	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1145	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233320	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040	3	P
3	5	0	4145350	HUMAN ANATOMY AND PHYSIOLOGY PRACTICAL	BM232460	ANATOMY PRACTICES	1145	2	P
3	6	0	4145360	BASICS OF ELECTRICAL ENGINEERING PRACTICAL	1141233420	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	1141	3	P
3	7	0	4145370	C PROGRAMMING PRACTICAL	1040234540	PROGRAMMING IN C	1145	4	P
4	5	0	4093360	SENSORS AND MEASUREMENTS PRACTICAL	1030233340	SENSORS AND MEASUREMENT	1030	3	P

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Course Code			Course Name					Page ##	
1145			BIOMEDICAL ELECTRONICS					91	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4040460	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	1141234440	ANALOG AND DIGITAL ELECTRONICS	1141	4	P
4	7	0	4145470	BASICS OF MEDICAL IMAGE PROCESSING PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1146			ECG TECHNOLOGY					92	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1146	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1146	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	5	0	4146350	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	1040233640	ELECTRICAL CIRCUITS AND MACHINES	1040	3	P
3	6	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233320	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040	3	P
3	7	0	4146370	ANATOMY AND PHYSIOLOGY PRACTICAL	BM232460	ANATOMY PRACTICES	1146	2	P
4	5	0	4146450	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	1040233420	DIGITAL ELECTRONICS PRACTICAL	1146	3	P
4	6	0	4146460	SENSORS AND INSTRUMENTATION PRACTICAL	1146233640	SENSORS AND SIGNAL CONDITIONING***	1146	3	P

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Course Code			Course Name					Page ##	
1146			ECG TECHNOLOGY					93	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4146470	CLINICAL CARDIOLOGY PRACTICAL	1146235440		1146	5	

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Course Code			Course Name					Page ##	
1202			PRINTING TECHNOLOGY (FULL TIME)					94	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1202	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1202	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	48234	PRINTING PRIMER PRACTICAL	*** NO EQUIVALENT ***				
3	5	0	48235	DESIGN STUDIO PRACTICAL	1202233640	GRAPHIC DESIGN	1202	3	P
3	6	0	48236	DIGITAL PRE-PRESS PRACTICAL	1202233320	IMAGE MANIPULATION	1202	3	P
3	7	0	48237	PRINT PRODUCTION PRACTICAL	1202234440	PRINTED PRODUCTS DESIGN	1202	4	P
4	5	0	48245	OFFSET MACHINES PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1202			PRINTING TECHNOLOGY (FULL TIME)					95	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	48246	DESK TOP PUBLISHING FOR PRINT PRODUCTION PRACTICAL	1202233440	DESKTOP PUBLISHING FOR PRINT PRODUCTION	1202	3	P
4	7	0	48247	PRINT FINISHING PRACTICAL	1202233540	PRINT FINISHING	1202	3	P

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Course Code			Course Name					Page ##	
1214			HOTEL MANAGEMENT AND CATERING TECHNOLOGY (FULL TIME)					96	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	8	0	48918	FUNDAMENTALS OF COMPUTERS	1214231840	FUNDAMENTALS OF COMPUTERS	1214	1	P
1	9	0	48919	HOSPITALITY COMMUNICATION PRACTICAL	1214231740	HOSPITALITY COMMUNICATION	1214	1	P
1	10	0	489110	FOOD PRODUCTION AND PATESSERIE PRACTICAL	1214232620		0	0	
1	11	0	489111	FOOD AND BEVERAGE SERVICE PRACTICAL	1214232720		0	0	
1	12	0	489112	ACCOMODATION OPERATION PRACTICAL	1214231520	ACCOMMODATION OPERATION	1214	1	P
1	13	0	489113	FRONT OFFICE OPERATION PRACTICAL	1214231620	FRONT OFFICE OPERATION	1214	1	P
3	5	0	4214350	QUANTITY FOOD PRODUCTION PRACTICAL	1214233520		0	0	
3	6	0	4214360	BEVERAGE SERVICE PRACTICAL	1214233620		1214	3	
3	7	0	4214370	ADVANCED ACCOMMODATION OPERATION PRACTICAL	1214233740		1214	3	
3	8	0	4214380	ADVANCED FRONT OFFICE OPERATION PRACTICAL	1214233820		1214	3	

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1214			HOTEL MANAGEMENT AND CATERING TECHNOLOGY (FULL TIME)					97	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
3	9	0	4214390	PROPERTY MANAGEMENT SYSTEM (PRACTICAL)	1214232840		0	0	
3	10	0	4214311	ENGLISH COMMUNICATION PRACTICAL	1214233920		1214	3	
4	1	0	4214410	INDUSTRIAL TRAINING	1214234173	INDUSTRIAL TRAINING	1214	4	I

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Course Code			Course Name					Page ##	
1220			MECHANICAL ENGINEERING (TOOL AND DIE) (FULL TIME)					98	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1220	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1220	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4022340	COMPUTER AIDED MACHINE AND TOOL DRAWING	1220233520	COMPUTER AIDED MACHINE & TOOL DRAWING PRACTICAL	1220	3	P
3	5	0	4022350	ENGINEERING METROLOGY PRACTICAL	1220233440	ENGINEERING METROLOGY	1220	3	P
3	6	0	4022360	MANUFACTURING TECHNOLOGY PRACTICAL	1220233620	MANUFACTURING TECHNOLOGY PRACTICAL	1220	3	P
3	7	0	4022370	BASIC ENGINEERING PRACTICAL	*** NO EQUIVALENT ***				
4	5	0	4022450	MECHANICAL MATERIAL TESTING PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
1220			MECHANICAL ENGINEERING (TOOL AND DIE) (FULL TIME)					99	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4022460	HYDRAULICS AND PNEUMATICS PRACTICAL	*** NO EQUIVALENT ***				
4	7	0	4022470	TOOL ROOM SPECIAL MACHINES PRACTICAL	1220234420	SPECIAL MACHINES PRACTICAL	1220	4	P

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Course Code			Course Name					Page ##	
1221			MECHANICAL ENGINEERING (REFRIGERATION & AIR-CONDITIONING) (FT)					100	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1221	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1221	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4221340	MECHANICS OF MATERIALS AND FLUID MECHANICS PRACTICAL	1221233340	MECHANICS OF MATERIALS	1221	3	P
3	5	0	4020360	MANUFACTURING TECHNOLOGY - I PRACTICAL	1221233620	BASIC MANUFACTURING TECHNOLOGY PRACTICAL	1221	3	P
3	6	0	4221360	ENGINEERING THERMODYNAMICS PRACTICAL	1020234540	HEAT POWER ENGINEERING	1020	4	P
3	7	0	4221370	HVAC DRAWING AND CAD PRACTICAL	1221234340	HVAC CAD DRAWING	1221	4	P
4	5	0	4221450	APPLIED THERMODYNAMICS PRACTICAL	1020234540	HEAT POWER ENGINEERING	1020	4	P

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Course Code			Course Name					Page ##	
1221			MECHANICAL ENGINEERING (REFRIGERATION & AIR-CONDITIONING) (FT)					101	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4020460	MANUFACTURING TECHNOLOGY II PRACTICAL	1020233640	MACHINE TOOL TECHNOLOGY	1020	3	P
4	7	0	4020470	ELECTRICAL DRIVES AND CONTROL PRACTICAL	1020233440	INDUSTRIAL DRIVES AND CONTROL	1221	3	P

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Course Code			Course Name					Page ##	
1222			AGRICULTURAL TECHNOLOGY (FULL TIME)					102	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1222	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1222	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4023340	PRINCIPLES OF CROP PRODUCTION PRACTICAL	1023233640	PRINCIPLES OF CROP PRODUCTION	1222	3	P
3	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	1023233540	MACHINE DRAWING & CAD	1222	3	P
3	6	0	4023360	SURVEYING AND LEVELLING PRACTICAL	1010233340	SURVEYING PRACTICE	1222	3	P
3	7	0	4020370	MEASUREMENTS AND METROLOGY PRACTICAL	1020234640	METROLOGY AND MEASUREMENTS	1020	4	P
4	5	0	4023450	MECHANICAL TESTING & FLUID POWER PRACTICAL	1023234520	FLUID MECHANICS PRACTICAL	1222	4	P

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Course Code			Course Name					Page ##	
1222			AGRICULTURAL TECHNOLOGY (FULL TIME)					103	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4023460	MACHINE SHOP – I PRACTICAL (LATHE AND WELDING)	1023234640	MACHINE SHOP PRACTICE	1222	4	P
4	7	0	4020470	ELECTRICAL DRIVES AND CONTROL PRACTICAL	1020233440	INDUSTRIAL DRIVES AND CONTROL	1222	3	P

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Course Code			Course Name					Page ##	
1223			FASHION TECHNOLOGY (FULL TIME)					104	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1223	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1223	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4078340	FOOD CHEMISTRY PRACTICAL	1226233110	ARTS OF SKETCHING AND DRAWING	1223	3	T
3	5	0	4066350	EMBROIDERY PRACTICAL	1066233420	SURFACE ORNAMENTATION	1223	3	P
3	6	0	4066360	APPAREL DESIGNING PRACTICAL	1066233620	BASIC GARMENT CONSTRUCTION	1223	3	P
3	7	0	4066370	FASHION ACCESSORIES PRACTICAL	*** NO EQUIVALENT ***				
4	5	0	4078450	FOOD PROCESSING TECHNOLOGY PRACTICAL	1066234640	GARMENT PATTERN DRAFTING I	1223	4	P

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Course Code			Course Name					Page ##	
1223			FASHION TECHNOLOGY (FULL TIME)					105	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4078460	FOOD ANALYSIS AND QUALITY CONTROL PRACTICAL	1223234520	FASHION CAD	1223	4	P
4	7	0	4078470	ELECTRICAL AND ELECTRONICS ENGINEERING PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name						Page ##
1224			TEXTILE TECHNOLOGY (TEXTILE DESIGN AND WEAVING)						106
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL		*** NO EQUIVALENT ***			
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL		*** NO EQUIVALENT ***			
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL		*** NO EQUIVALENT ***			
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL		*** NO EQUIVALENT ***			
2	9	0	40001	COMMUNICATION SKILL PRACTICAL		*** NO EQUIVALENT ***			
3	4	0	4224340	FIBRE SCIENCE AND YARN MANUFACTURE PRACTICAL		*** NO EQUIVALENT ***			
3	5	0	4224350	BASICS OF TEXTILE DESIGNING PRACTICAL		*** NO EQUIVALENT ***			
3	6	0	4060360	FABRIC MANUFACTURE - I PRACTICAL		*** NO EQUIVALENT ***			
3	7	0	4224370	WEAVING PREPARATORY PRACTICAL		*** NO EQUIVALENT ***			
4	5	0	4224450	COLOUR AND WEAVE EFFECTS PRACTICAL		*** NO EQUIVALENT ***			

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Course Code			Course Name						Page ##
1224			TEXTILE TECHNOLOGY (TEXTILE DESIGN AND WEAVING)						107
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4060460	FABRIC MANUFACTURE – II PRACTICAL		*** NO EQUIVALENT ***			
4	7	0	4224470	FABRIC ANALYSIS PRACTICAL		*** NO EQUIVALENT ***			

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Course Code			Course Name					Page ##	
1225			TEXTILE TECHNOLOGY (MAN MADE FIBRE)					108	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1225	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1225	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4066340	FASHION DESIGNING PRACTICAL	1066233520	FASHION ILLUSTRATION	1066	3	P
3	5	0	4061350	PRETREATMENT FOR TEXTILE COLOURATION PRACTICAL	1061233520	CHEMICAL PREPARATORY PROCESSES FOR TEXTILES	1225	3	P
3	6	0	4066360	APPAREL DESIGNING PRACTICAL	1225233620	BASIC SEWING TECHNIQUE	1225	3	P
3	7	0	4225370	SCIENCE OF NATURAL FIBRE PRACTICAL	1225233420	ANALYSIS OF TEXTILE NATURAL FIBRES	1225	3	P
4	5	0	4061450	TEXTILE MANUFACTURING TECHNOLOGY PRACTICAL	1061234640	TEXTILE MANUFACTURING TECHNOLOGY	1225	4	P

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Course Code			Course Name					Page ##	
1225			TEXTILE TECHNOLOGY (MAN MADE FIBRE)					109	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4225460	SCIENCE OF SYNTHETIC FIBRE PRACTICAL	1225234320	ANALYSIS OF TEXTILE SYNTHETIC FIBRE	1225	4	P
4	7	0	4225470	TECHNOLOGY OF DYEING OF NATURAL AND MANMADE TEXTILE PRACTICAL	1225234520	DYEING OF MANMADE TEXTILES	1225	4	P

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Course Code			Course Name					Page ##	
1226			APPLIED ARTS AND CRAFTS (FASHION AND APPAREL DESIGN)(FULL TIME)					110	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1226	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1226	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4065340	FASHION SKETCHING AND DRAWING PRACTICAL	1226233110	ARTS OF SKETCHING AND DRAWING	1226	3	T
3	5	0	4066350	EMBROIDERY PRACTICAL	1066233420	SURFACE ORNAMENTATION	1226	3	P
3	6	0	4066360	APPAREL DESIGNING PRACTICAL	1066233620	BASIC GARMENT CONSTRUCTION	1226	3	P
3	7	0	4066370	FASHION ACCESSORIES PRACTICAL	*** NO EQUIVALENT ***				
4	5	0	4065450	PATTERN DRAFTING AND CONSTRUCTION – I PRACTICAL	1066234640	GARMENT PATTERN DRAFTING I	1226	4	P

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Course Code			Course Name					Page ##	
1226			APPLIED ARTS AND CRAFTS (FASHION AND APPAREL DESIGN)(FULL TIME)					111	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4065460	HANDICRAFTS PRACTICAL	1226234520	HANDICRAFTS AND APPLICATIONS	1226	4	P
4	7	0	4065470	HOME TEXTILES PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
2010			CIVIL ENGINEERING (SANDWICH)					112	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	2010	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	2010	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	6	0	4010350	CIVIL ENGINEERING DRAWING AND CAD PRACTICAL - I	1010233440	BUILDING PLANNING AND DRAWING	2010	3	P
3	7	0	4010360	MATERIAL TESTING LABORATORY - I	1010233640	MATERIAL TESTING LAB	2010	3	P
3	8	0	4010370	SURVEYING PRACTICE - I	1010233340	SURVEYING PRACTICE	2010	3	P
4	2	0	4010450	MATERIAL TESTING LABORATORY – II	1010233640	MATERIAL TESTING LAB	2010	3	P
4	3	0	4010491	INDUSTRIAL TRAINING – I	2010234274	INDUSTRIAL TRAINING (SW)	2010	4	P

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Course Code			Course Name					Page ##	
2020			MECHANICAL ENGINEERING (SANDWICH)					113	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	2020	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	2020	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	1020233540	PRODUCTION DRAWING AND MODELING	2020	3	P
3	6	0	4020360	MANUFACTURING TECHNOLOGY - I PRACTICAL	1020233320	WORKSHOP PRACTICES	2020	3	P
3	7	0	4020370	MEASUREMENTS AND METROLOGY PRACTICAL	1020234640	METROLOGY AND MEASUREMENTS	2020	5	P
4	2	0	4020460	MANUFACTURING TECHNOLOGY II PRACTICAL	1020234320	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	2020	5	P
4	3	0	4020480	INDUSTRIAL TRAINING I	2020234274	INDUSTRIAL TRAINING (SW)	2020	4	P

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Course Code			Course Name					Page ##	
2021			MECHANICAL ENGINEERING (FOUNDARY) (SANDWICH)					114	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	2021231740		0	0	
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1010	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1010	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	2021232640		0	0	
3	6	0	4922360	INDUSTRIAL PRODUCTION TECHNOLOGY - I PRACTICAL	2021233640	INDUSTRIAL PRODUCTION TECHNOLOGY	2021	3	P
3	7	0	4922370	SOLID MECHANICS AND FLUID MECHANICS PRACTICAL	2021233440	STRENGTH OF MATERIALS AND FLUID MECHANICS	2021	3	P
3	8	0	4921380	SAND TESING AND METALLURGY PRACTICAL	2021235341		2021	5	
4	1	0	4921410	METROLOGY AND METALLOGRAPHY PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name						Page ##
2021			MECHANICAL ENGINEERING (FOUNDARY) (SANDWICH)						115
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	2	0	4022420	FLUID POWER AND THERMAL ENGINEERING	*** NO EQUIVALENT ***				
4	3	0	4921430	INDUSTRIAL TRAINING I	2021234373	INDUSTRIAL TRAINING	2021	4	P

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Course Code			Course Name					Page ##	
2022			MECHANICAL ENGINEERING (MACHINE TOOL MAINTENANCE & REPAIRS) (SWC)					116	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	2021231740		0	0	
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	2022	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	2022	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	1020233540	PRODUCTION DRAWING AND MODELING	2022	3	P
3	6	0	4922360	INDUSTRIAL PRODUCTION TECHNOLOGY - I PRACTICAL	2022233620	INDUSTRIAL PRODUCTION TECHNOLOGY	2022	3	P
3	7	0	4922370	SOLID MECHANICS AND FLUID MECHANICS PRACTICAL	*** NO EQUIVALENT ***				
3	8	0	4922380	INDUSTRIAL EQUIPMENTS AND METROLOGY PRACTICAL	2022234220		0	0	
4	1	0	4922410	MAINTENANCE I LAB	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
2022			MECHANICAL ENGINEERING (MACHINE TOOL MAINTENANCE & REPAIRS) (SWC)					117	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	2	0	4922420	FOUNDRY AND WELDING PRACTICAL		*** NO EQUIVALENT ***			
4	3	0	4922430	INDUSTRIAL TRAINING I (REPORT WRITING AND VIVA VOCE)		*** NO EQUIVALENT ***			

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Course Code			Course Name					Page ##	
2023			AUTOMOBILE ENGINEERING (SANDWICH)					118	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	2023	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	2023	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4021350	MATERIAL TESTING AND FLUID MECHANICS & PNEUMATICS PRACTICAL	1021233640	FLUID POWER SYSTEMS	2023	3	P
3	6	0	4021360	PRODUCTION TECHNOLOGY PRACTICAL	1021234340	MANUFACTURING TECHNOLOGY II	1021	4	P
3	7	0	4020370	MEASUREMENTS AND METROLOGY PRACTICAL	1020234640	METROLOGY AND MEASUREMENTS	1020	4	P
4	2	0	4021470	AUTOMOTIVE ENGINES PRACTICAL	1020234540	HEAT POWER ENGINEERING	1020	4	P
4	3	0	4021480	INDUSTRIAL TRAINING - I	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
2030			ELECTRICAL AND ELECTRONICS ENGINEERING(SANDWICH)					119	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1030	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1030	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	4	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233320	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040	3	P
3	5	0	4030350	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	1030233620	ELECTRICAL MACHINES I PRACTICAL	2030	3	P
3	6	0	4030360	ELECTRICAL WORK SHOP PRACTICAL	1030234540	SERVICING OF ELECTRICAL APPLIANCES	2030	5	P
3	7	0	4030370	WIRING AND WINDING PRACTICAL	*** NO EQUIVALENT ***				
4	2	0	4030450	ELECTRICAL MACHINES AND INSTRUMENTATION PRACTICAL	1030234620	ELECTRICAL MACHINES II PRACTICAL	2030	5	P

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Course Code			Course Name					Page ##	
2030			ELECTRICAL AND ELECTRONICS ENGINEERING(SANDWICH)					120	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	3	0	4020491	INDUSTRIAL TRAINING – I	2030234274	INDUSTRIAL TRAINING	2030	4	P

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Course Code			Course Name					Page ##	
2047			MECHATRONICS ENGINEERING (SANDWICH)					121	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	2047	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	2047	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	5	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233320	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040	3	P
3	6	0	4047350	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	1030233620	ELECTRICAL MACHINES I PRACTICAL	1030	3	P
3	7	0	4047360	MANUFACTURING TECHNOLOGY PRACTICAL	1047233540	MANUFACTURING TECHNOLOGY	2047	3	P
3	8	0	4040460	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	1030233440	ANALOG AND DIGITAL ELECTRONICS	1030	3	P
4	2	0	4047460	INDUSTRIAL INSTRUMENTATION AND SENSORS PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
2047			MECHATRONICS ENGINEERING (SANDWICH)					122	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	3	0	4047480	INDUSTRIAL TRAINING – I	2047234274	INDUSTRIAL TRAINING(SW) - I	2047	4	P

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Course Code			Course Name					Page ##	
2049			MECHATRONICS ENGINEERING (SANDWICH)					123	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
3	5	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	*** NO EQUIVALENT ***				
3	6	0	4047350	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	2049233440	ELEMENTS OF ELECTRICAL ENGINEERING	2149	3	P
3	7	0	4049370	PRODUCTION TECHNOLOGY PRACTICAL	2049233230	PRODUCTION TECHNOLOGY	2149	3	T

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Course Code			Course Name					Page ##	
2060			TEXTILE TECHNOLOGY (SANDWICH)					124	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1010	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1010	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4060340	FIBRE IDENTIFICATION - PRACTICAL	1060233420	FIBRE IDENTIFICATION PRACTICAL	1060	3	P
3	5	0	4060350	YARN MANUFACTURE - I PRACTICAL	1060233540	TECHNOLOGY OF SPINNING PROCESS - I	1060	3	P
3	6	0	4060360	FABRIC MANUFACTURE - I PRACTICAL	1060233640	TECHNOLOGY OF WEAVING PROCESS - I	1060	3	P
3	7	0	4060370	QUALITY ANALYSIS IN SPINNING AND WEAVING PREPARATORY - PRAC	*** NO EQUIVALENT ***				
4	5	0	4060450	YARN MANUFACTURE – II PRACTICAL	1060234540	TECHNOLOGY OF SPINNING PROCESS-II	1060	4	P

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Course Code			Course Name					Page ##	
2060			TEXTILE TECHNOLOGY (SANDWICH)					125	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4060460	FABRIC MANUFACTURE – II PRACTICAL	1060234640	TECHNOLOGY OF WEAVING PROCESS -II	1060	4	P
4	7	0	4060470	FABRIC STRUCTURE PRACTICAL	1060234320	FABRIC STRUCTURE ANALYSIS	1060	4	P

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Course Code			Course Name					Page ##	
2061			TEXTILE PROCESSING (SANDWICH)					126	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	1010	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	1010	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4061340	FIBRE AND CHEMICAL ANALYSIS PRACTICAL	1061233420	FIBRE AND CHEMICAL ANALYSIS	1061	3	P
3	5	0	4061350	PRETREATMENT FOR TEXTILE COLOURATION PRACTICAL	1061233520	CHEMICAL PREPARATORY PROCESSES FOR TEXTILES	1061	3	P
3	6	0	4061360	DYEING OF NATURAL FIBRES PRACTICAL	1061233620	TECHNOLOGY OF NATURAL FIBRE DYEING	1061	3	P
3	7	0	4061370	QUALITY ASSURANCE IN PRETREATMENT AND DYEING	1061234520	QUALITY ASSURANCE IN TEXTILE PROCESSING	1061	4	P
4	5	0	4061450	TEXTILE MANUFACTURING TECHNOLOGY PRACTICAL	1061234640	TEXTILE MANUFACTURING TECHNOLOGY	1061	4	P

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Course Code			Course Name					Page ##	
2061			TEXTILE PROCESSING (SANDWICH)					127	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4061460	DYEING OF MANMADE FIBRES AND BLENDS PRACTICAL	1061234320	TECHNOLOGY OF MAN MADE FIBRES AND BLENDS DYEING	1061	4	P
4	7	0	4061470	TECHNOLOGY OF TEXTILE FINISHING PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
2074			POLYMER TECHNOLOGY (SANDWICH)					128	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	2074	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	2074	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	4	0	4974340	POLYMER ENGINEERING DRAWING PRACTICAL	2074233420	POLYMER ENGINEERING DRAWING PRACTICAL	2074	3	P
3	5	0	4974350	POLYMER SCIENCE PRACTICAL	2074233320	POLYMER SCIENCE PRACTICAL	2074	3	P
3	6	0	4076360	GENERAL ENGINEERING PRACTICAL	1076233640	GENERAL ENGINEERING*	1075	3	P
3	7	0	4974370	COMPUTER AIDED DESIGN PRACTICAL	*** NO EQUIVALENT ***				
4	4	0	4974440	CHEMICAL ENGINEERING PRACTICAL	1076234520	MECHANICAL OPERATIONS PRACTICAL*	1070	4	P

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Course Code			Course Name					Page ##	
2074			POLYMER TECHNOLOGY (SANDWICH)					129	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	5	0	4974450	POLYMER PROCESS MEASUREMENT AND CONTROL PRACTICAL	1076234640	PROCESS INSTRUMENTATION AND CONTROL*	1070	4	P
4	6	0	4974460	POLYMER PREPARATION AND ANALYSIS PRACTICAL	2074233320	POLYMER SCIENCE PRACTICAL	2074	3	P
4	7	0	4974470	POLYMER IDENTIFICATION PRACTICAL	2074233540	RUBBER MATERIALS	2074	3	P

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Course Code			Course Name					Page ##	
2079			CHEMICAL ENGINEERING (SANDWICH))					130	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	2079	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	2079	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4076350	TECHNICAL ANALYSIS PRACTICAL	1076233520	TECHNICAL ANALYSIS PRACTICAL	2079	3	P
3	6	0	4076360	GENERAL ENGINEERING PRACTICAL	1076233640	GENERAL ENGINEERING*	2079	3	P
3	7	0	4076370	MOMENTUM TRANSFER PRACTICAL	1076233320	MOMENTUM TRANSFER PRACTICAL*	2079	3	P
4	5	0	4076450	MECHANICAL OPERATIONS PRACTICAL	1076234520	MECHANICAL OPERATIONS PRACTICAL*	2079	4	P
4	6	0	4076460	HEAT TRANSFER PRACTICAL	1076234420	HEAT TRANSFER PRACTICAL*	2079	4	P

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Course Code			Course Name					Page ##	
2079			CHEMICAL ENGINEERING (SANDWICH))					131	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4076470	CHEMICAL TECHNOLOGY PRACTICAL	1076234310	CHEMICAL TECHNOLOGY	2079	4	T

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Course Code			Course Name					Page ##	
2080			CERAMIC TECHNOLOGY(SANDWICH)					132	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	2080	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	2080	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4980350	GEOLOGY LABORATORY	2080233240	GEOLOGY LABORATORY	2080	3	P
3	6	0	4980360	CERAMIC RAW MATERIALS ANALYSIS LABORATORY	2080233450	CERAMIC RAW MATERIALS ANALYSIS LABORATORY	2080	3	P
3	7	0	4980370	CERAMIC TESTING LABORATORY - I	2080233260	CERAMIC TESTING LABORATORY	2080	3	P
4	5	0	4980450	CERAMIC TESTING LABORATORY - II	2080234250	CERAMIC PRODUCT ANALYSIS LABORATORY	2080	4	P
4	6	0	4980460	MOULDING LABORATORY	2080234260	CERAMIC MOULDING LABORATORY	2080	4	P

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Course Code			Course Name					Page ##	
2080			CERAMIC TECHNOLOGY(SANDWICH)					133	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4980470	CERAMIC PROCESSING LABORATORY	2080234440	CERAMIC FABRICATION LABORATORY	2080	4	P

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Course Code			Course Name					Page ##	
2101			LEATHER TECHNOLOGY (SANDWICH)					134	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	2101	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	2101	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4090350	PRE-TANNING CHEMICALS TESTING PRACTICAL	2101233340	APPLIED LEATHER CHEMISTRY	2101	3	P
3	6	0	4090360	PRE-TANNING PROCESS PRACTICAL	2101233420	PRE TANNING PROCESS PRACTICAL	2101	3	P
3	7	0	4090370	HEAVY LEATHER MANUFACTURE PRACTICAL	2101233540	PROCESS OF HEAVY AND SPORTS LEATHER	2101	3	P
4	5	0	4090450	LEATHER MACHINES BASIC OPERATION PRACTICAL	2101234520	LEATHER MACHINES BASIC OPERATION PRACTICAL	2101	4	P
4	6	0	4090460	LIGHT LEATHER MANUFACTURE PRACTICAL	2101234420	LIGHT LEATHER MANUFACTURE PRACTICAL	2101	4	P

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Course Code			Course Name						Page ##
2101			LEATHER TECHNOLOGY (SANDWICH)						135
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4090470	LEATHER FINISHING PRACTICAL		*** NO EQUIVALENT ***			

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Course Code			Course Name					Page ##	
2149			ROBOTICS AND AUTOMATION ENGINEERING (SANDWICH)					136	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	2149	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	2149	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
3	5	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	104023320		0	0	
3	6	0	4047350	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	2049233440	ELEMENTS OF ELECTRICAL ENGINEERING	2149	3	P
3	7	0	4049370	PRODUCTION TECHNOLOGY PRACTICAL	2049233230	PRODUCTION TECHNOLOGY	2149	3	T
3	8	0	4049450	PROGRAMMING IN C PRACTICAL	2049233320	PROGRAMMING IN C	2149	3	P
4	2	0	4040460	ANALOG AND DIGITAL ELECTRONICS PRACTICAL	2049233640	ANALOG AND DIGITAL CIRCUITS	2149	3	P

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Course Code			Course Name					Page ##	
2149			ROBOTICS AND AUTOMATION ENGINEERING (SANDWICH)					137	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	3	0	4049910	INDUSTRIAL TRAINING – I	2149234274	INDUSTRIAL TRAINING (SW) - I	2149	4	P

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Course Code			Course Name					Page ##	
3010			CIVIL ENGINEERING (PART TIME)					138	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
2	5	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	3010	3	P
2	6	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	3010	3	P
2	7	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	3010	2	P
3	5	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
4	4	0	4010360	MATERIAL TESTING LABORATORY - I	1010233640	MATERIAL TESTING LAB	3010	5	P
4	5	0	4010370	SURVEYING PRACTICE - I	1010233340	SURVEYING PRACTICE	3010	4	P
4	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P

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Course Code			Course Name					Page ##	
3020			MECHANICAL ENGINEERING (PART TIME)					139	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
2	5	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	3020	3	P
2	6	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	3020	3	P
2	7	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	3020	2	P
3	4	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4020370	MEASUREMENTS AND METROLOGY PRACTICAL	1020234640	METROLOGY AND MEASUREMENTS	3020	6	P
4	4	0	4020360	MANUFACTURING TECHNOLOGY - I PRACTICAL	1020233320	WORKSHOP PRACTICES	3020	4	P
4	5	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P

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Course Code			Course Name					Page ##	
3030			ELECTRICAL AND ELECTRONICS ENGINEERING (PART TIME)					140	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
2	5	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	3030	3	P
2	6	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	3030	3	P
2	7	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	3030	2	P
3	4	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	104023320		0	0	
4	3	0	4030350	ELECTRICAL CIRCUITS AND MACHINES PRACTICAL	1030233620	ELECTRICAL MACHINES I PRACTICAL	3030	4	P
4	4	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
4	5	0	4030360	ELECTRICAL WORK SHOP PRACTICAL	1030234540	SERVICING OF ELECTRICAL APPLIANCES	3030	6	P

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Course Code			Course Name					Page ##	
3040			ELECTRONICS AND COMMUNICATION ENGINEERING (PART TIME)					141	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
2	5	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232442	APPLIED PHYSICS - II	1030	2	P
2	6	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232452	APPLIED CHEMISTRY - II	1030	2	P
2	7	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	3040	2	P
3	4	0	4040340	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040233320	ELECTRONIC DEVICES AND CIRCUITS PRACTICAL	1040	3	P
3	5	0	4040350	ELECTRICAL CIRCUITS AND INSTRUMENTATION PRACTICAL	1040233640	ELECTRICAL CIRCUITS AND MACHINES	3040	5	P
4	4	0	4040360	PROGRAMMING IN 'C' PRACTICAL	1040234540	PROGRAMMING IN C	3040	7	P
4	5	0	4040370	SIMULATION PRACTICAL	*** NO EQUIVALENT ***				

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Course Code			Course Name					Page ##	
7010			CIVIL ENGINEERING (TAMIL MEDIUM)					142	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	7010	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	7010	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4010350	CIVIL ENGINEERING DRAWING AND CAD PRACTICAL - I	1010233440	BUILDING PLANNING AND DRAWING	7010	3	P
3	6	0	4010360	MATERIAL TESTING LABORATORY - I	1010233640	MATERIAL TESTING LAB	7010	3	P
3	7	0	4010370	SURVEYING PRACTICE - I	1010233340	SURVEYING PRACTICE	7010	3	P
4	4	0	4010440	HYDRAULICS LABORATORY	1010233540	HYDRAULICS	7010	3	P
4	5	0	4010450	MATERIAL TESTING LABORATORY – II	1010233640	MATERIAL TESTING LAB	7010	3	P

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Course Code			Course Name					Page ##	
7010			CIVIL ENGINEERNG (TAMIL MEDIUM)					143	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	6	0	4010460	CONSTRUCTION PRACTICE LABORATORY	1010234540	CONSTRUCTION PRACTICES	7010	4	P
4	7	0	4010470	SURVEYING PRACTICE – II	1010233340	SURVEYING PRACTICE	7010	3	P

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Course Code			Course Name					Page ##	
7020			MECHANICAL ENGINEERING (TAMIL MEDIUM)					144	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
1	6	0	40002	COMPUTER APPLICATION PRACTICAL	DS231270	DIGITAL WORKPLACE SKILLS	1000	1	P
2	6	0	40006	ENGINEERING PHYSICS PRACTICAL	PH232441	APPLIED PHYSICS - I	7020	2	P
2	7	0	40007	ENGINEERING CHEMISTRY PRACTICAL	CH232451	APPLIED CHEMISTRY - I	7020	2	P
2	8	0	40028	BASICS OF INDUSTRIES AND WORKSHOP PRACTICAL	WP231360	BASIC WORKSHOP PRACTICES	1000	1	P
2	9	0	40001	COMMUNICATION SKILL PRACTICAL	EN231350	COMMUNICATIVE ENGLISH I	1000	1	P
3	5	0	4020350	MACHINE DRAWING AND CAD PRACTICAL	1020233540	PRODUCTION DRAWING AND MODELING	7020	3	P
3	6	0	4020360	MANUFACTURING TECHNOLOGY - I PRACTICAL	1020233320	WORKSHOP PRACTICES	7020	3	P
3	7	0	4020370	MEASUREMENTS AND METROLOGY PRACTICAL	1020234640	METROLOGY AND MEASUREMENTS	7020	4	P
4	5	0	4020450	STRENGTH OF MATERIALS AND FLUID MECHANICS PRACTICAL	*** NO EQUIVALENT ***				
4	6	0	4020460	MANUFACTURING TECHNOLOGY II PRACTICAL	1020234320	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	7020	4	P

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Course Code			Course Name					Page ##	
7020			MECHANICAL ENGINEERING (TAMIL MEDIUM)					145	
Semester	Column Number	Elec	SubCode (N/Z)	Subject Name (N/Z)	SubCode (R2023)	Subject Name (R2023)	Course (R2023)	Semester (R2023)	Type
4	7	0	4020470	ELECTRICAL DRIVES AND CONTROL PRACTICAL	1020233440	INDUSTRIAL DRIVES AND CONTROL	7020	3	P