

Annexure
RELEVANT PAPER FOR GRACE CHANCE
December 2020 - BOARD EXAMINATION

FIRST YEAR

REVISED REGULATION (1985-1989)

SEM	Sl. No.	Revised Regulation (RR) (Implemented academic year 1985-86)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
I Year	1.	English-I	30021 - Communication English – II
	2.	English-II	30021 - Communication English – II
	3.	Mathematics – I	30012 - Engineering Mathematics -I
	4.	Mathematics – II	30022 - Engineering Mathematics-II
	5.	Physics	30024 - Engineering Physics – II
	6.	Chemistry	30025 - Engineering Chemistry – II
	7.	Technical Drawing	30026 - Engineering Graphics -II
	8.	Physics Practical	Physics Practical (K Scheme)
	9.	Chemistry Practical	Chemistry Practical (K Scheme)
	10.	Workshop	30018 - Workshop Practice

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘ C ’ SCHEME (1988 – 1993)

SEM	Sl. No.	Revised Scheme (RS) (C Scheme) (Implemented academic year 1988-89)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
I Year	1.	English-I	30021 - Communication English – II
	2.	English-II	30021 - Communication English – II
	3.	Mathematics – I	30012 - Engineering Mathematics -I
	4.	Mathematics – II	30022 - Engineering Mathematics-II
	5.	Physics	30024 - Engineering Physics – II
	6.	Chemistry	30025 - Engineering Chemistry – II
	7.	Technical Drawing	30026 - Engineering Graphics -II
	8.	Physics Practical	Physics Practical (K Scheme)
	9.	Chemistry Practical	Chemistry Practical (K Scheme)
	10.	Workshop	30018 - Workshop Practice
I Year Computer Science & Engineering			
	03	Applied Mathematics	30022 - Engineering Mathematics-II
	04	Electronics Devices & Components	35231 – Basics of Electrical & Electronics Engineering III Sem Computer Engg
	05	Introduction to Computers	35233 – C Programming III Sem Computer Engg
	06	Programming in BASIC	35233 – C Programming III Sem Computer Engg
	07	Basics of Engineering	35231 – Basics of Electrical & Electronics Engineering III Sem Computer Engg
	08	Engineering & Electronics Circuit Drawing	30026 - Engineering Graphics -II
	09	BASIC Programming Lab	BASIC Programming Lab (D scheme)
	10	Electronics Devices & Components Lab	35234 – Electrical & Electronics Practical III Sem Computer Engg

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

‘D’ SCHEME (1992 – 2000)

SEM	Sl.No.	New Scheme [D Scheme] (Implemented academic year 1992-93)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
I Year	1.	English-I	30021 - Communication English – II
	2.	English-II	30021 - Communication English – II
	3.	Mathematics – I	30012 - Engineering Mathematics -I
	4.	Mathematics – II	30022 - Engineering Mathematics-II
	5.	Physics	30024 - Engineering Physics – II
	6.	Chemistry	30025 - Engineering Chemistry – II
	7.	Technical Drawing	30026 - Engineering Graphics -II
	8.	Physics Practical	Physics Practical (K Scheme)
	9.	Chemistry Practical	Chemistry Practical (K Scheme)
	10.	Workshop	30018 - Workshop Practice

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

'G' SCHEME (1999-2004)

SEM	Sl. No.	G Scheme (Implemented academic year 1999-2000)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
I Year	1.	English	30021 - Communication English – II
	2.	Basics of Computer Science	35233 - C Programming of III Sem Computer Engg
	3.	Mathematics – I	30012 - Engineering Mathematics -I
	4.	Mathematics – II	30022 - Engineering Mathematics-II
	5.	Physics	30024 - Engineering Physics – II
	6.	Chemistry	30025 - Engineering Chemistry – II
	7.	Technical Drawing	30026 - Engineering Graphics -II
	8.	Physics Practical	Physics Practical (K Scheme)
	9.	Chemistry Practical	Chemistry Practical (K Scheme)
	10.	Workshop	30018 - Workshop Practice

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘J’ SCHEME (2003 – 2008)

SEM	Sl. No.	J Scheme (Implemented academic year 2003-04)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
I Year	1.	English	30021 - Communication English – II
	2.	Basics of Computer Science	35233 - C Programming of III Sem Computer Engg
	3.	Mathematics – I	30012 - Engineering Mathematics -I
	4.	Mathematics – II	30022 - Engineering Mathematics-II
	5.	Applied Physics	30024 - Engineering Physics – II
	6.	Applied Chemistry	30025 - Engineering Chemistry – II
	7.	Technical Drawing	30026 - Engineering Graphics -II
	8.	Applied Physics Practical	Physics Practical (K Scheme)
	9.	Applied Chemistry Practical	Chemistry Practical (K Scheme)
	10	Workshop	30018 - Workshop Practice
	11.	English Communication Practical	Circuit branches – IV semester – Life and Employability skill practical. Others - V Sem. Life and Employability skill practical

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

'K' SCHEME (2007 – 2011)

SEM	Sl.No.	K Scheme (Implemented academic year 2007-08)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
I	1.	Communication English -I	30011 - Communication English -I
	2.	Mathematics	30012 - Engineering Mathematics-I
	3.	Engineering Physics-I	30013 - Engineering Physics-I
	4.	Engineering Chemistry-I	30014 - Engineering Chemistry-I
	5.	Engineering Graphics	--
	6.	Physics Practical	--
	7.	Chemistry Practical	--
	8.	Computer Application	--
	9.	Workshop Practice	--
II	1.	Communication English -II	30021 - Communication English -II
	2.	Applied Mathematics	30022 - Engineering Mathematics-II
	3.	Engineering Physics-II	30024 - Engineering Physics – II
	4.	Engineering Chemistry-II	30025 - Engineering Chemistry – II
	5.	Engineering Graphics	30026 - Engineering Graphics -II
	6.	Physics Practical	Physics Practical (K Scheme)
	7.	Chemistry Practical	Chemistry Practical (K Scheme)
	8.	Computer Application	Computer Application (K Scheme)
	9.	Workshop Practice	30018 - Workshop Practice

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

CIVIL ENGINEERING
REVISED REGULATION (1985- 1989)

SEM	Sl. No.	Revised Regulation (RR) (I year Admission 1985-86)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Engineering Mechanics	Engineering Mechanics
	2.	Construction Materials & Practice	Construction Materials & Construction Practice
	3.	Transportation Engineering	Transportation Engineering
	4.	Civil Engineering Drawing I	Civil Engineering Drawing I
	5.	Materials Testing Lab	Materials Testing Lab –I
	6.	Transportation Engineering Lab	CAD in Civil Engineering Drawing –I
IV	1.	Hydraulics & Irrigation Engineering	Hydraulics
	2.	Survey Theory I	Surveying-II
	3.	Introduction to Computer Programming	C Programming of III Sem Computer Engg (35233)
	4.	Quantity Surveying I	Estimating and Costing - I
	5.	Hydraulics Lab	Hydraulics & Plumbing Lab
	6.	Survey Practical-I	Surveying Practice-I
V	1.	Structural Engineering	Structural Engineering
	2.	Environmental Engineering	Environmental Engineering and Pollution Control
	3.	Survey Theory II	Surveying-II
	4.	Civil Engineering Drawing II	CAD in Civil Engineering Drawing –II
	5.	Environmental Engineering Lab	Environmental Engineering Lab (D Scheme)
	6.	Survey Practical II	Surveying Practice-I
VI	1.	Mechanics of Structures	Theory of Structures
	2.	Construction Management	Construction Management with MIS
	3.	Elective Theory	
		1.Concrete Structure & Technology	Structural Engineering
		2.Building Technology & Services	Structural Engineering
		3.Industrial Structures	Industrial Structures (C Scheme)
	4.	Quantity Surveying-II	Estimating and Costing - I
	5.	Construction Practice Lab	Construction Practice Lab
	6.	Project Work	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘C’ SCHEME (1988-1993)

SEM	Sl. No.	Revised Scheme (RS) [C Scheme] (I year Admission 1988-89)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Engineering Mechanics	Engineering Mechanics
	2.	Construction Materials & Practice	Construction Materials & Construction Practice
	3.	Transportation Engineering	Transportation Engineering
	4.	Civil Engineering Drawing I	Civil Engineering Drawing I
	5.	Materials Testing Lab	Materials Testing Lab –I
	6.	Transportation Engineering Lab	CAD in Civil Engineering Drawing –I
IV	1.	Hydraulics & Irrigation Engineering	Hydraulics
	2.	Survey Theory I	Surveying II
	3.	Introduction to Computer Programming	C Programming of III Sem Computer Engg (35233)
	4.	Quantity Surveying I	Estimating and Costing I
	5.	Hydraulics Lab	Hydraulics & Plumbing Lab
	6.	Survey Practical-I	Surveying Practice-I
V	1.	Structural Engineering	Structural Engineering
	2.	Environmental Engineering	Environmental Engineering and Pollution Control
	3.	Survey Theory II	Surveying II
	4.	Civil Engineering Drawing II	CAD in Civil Engineering Drawing –II
	5.	Environmental Engineering Lab	Environmental Engineering Lab (D Scheme)
	6.	Survey Practical II	Surveying Practice-I
VI	1.	Mechanics of Structures	Theory of Structures
	2.	Construction Management	Construction Management with MIS
	3.	Elective Theory	
		1.Concrete Structure & Technology	Structural Engineering
		2.Building Technology & Services	Structural Engineering
		3.Industrial Structures	Industrial Structures (C Scheme)
	4. Quantity Surveying-II	Estimating and Costing I	
	5. Construction Practice Lab	Construction Practice Lab	
	6. Project Work	Project Work	

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

‘D’ SCHEME (June 1992-October 2000)

SEM	Sl. No.	New Scheme [D Scheme] (I year Admission 1992-93)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Engineering Mechanics & Graphic Statics	Engineering Mechanics
	2.	Construction Materials & Practice	Construction Materials & Construction Practice
	3.	Surveying & Leveling	Surveying – II
	4.	Building Drawing	Civil Engineering Drawing I
	5.	Engineering Mechanics Lab	Material Testing Lab –I
	6.	Surveying Practical	Surveying Practice-I
IV	1.	Hydraulics & Irrigation	Hydraulics
	2.	Transportation Engineering	Transportation Engineering
	3.	Theodolite Surveying	Surveying - II
	4.	Transportation Engineering Lab	CAD in Civil Engineering Drawing –I
	5.	Hydraulics Lab	Hydraulics & Plumbing Lab
	6.	Survey Practical II	Surveying Practice II
V	1.	Structural Engineering	Structural Engineering
	2.	Environmental Engineering & Pollution Control	Environmental Engineering & Pollution Control
	3.	Construction Management & Entrepreneurship	Construction Management with MIS
	4.	Irrigation & P.H.Drawing	CAD in Civil Engineering Drawing –II
	5.	Environmental Engineering lab	Environmental Engineering lab (D Scheme)
	6.	Concrete & Construction Lab	Construction Practice Lab
VI	1.	Mechanics of Structures	Theory of Structures
	2.	Computer Programming & Applications	C Programming of III Sem Computer Engg (35233)
	3.	Estimating & Costing	Estimating and Costing I
	4.	Structural Drawing & Detailing	CAD in Civil Engineering Drawing –II
	5.	Computer Programming & Applications Lab	Computer Applications in Civil Engineering Practice
	6.	Project work	Project work

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

'G' SCHEME (1999- 2004)

SEM	Sl. No.	G Scheme (1 year Admission 1999-2000)	Relevant papers in which the candidate has to write in December 2020 Board Examinations. 'M' Scheme
III	1.	Engineering Mechanics	Engineering Mechanics
	2.	Construction Materials & Practice	Construction Materials & Construction Practice
	3.	Surveying-I	Surveying – II
	4.	Civil Engineering Drawing-I	Civil Engineering Drawing-I
	5.	Material testing Lab	Material testing Lab –I
	6.	Surveying Practice-I	Surveying Practice-I
IV	1.	Hydraulics	Hydraulics
	2.	Roads & Railways Engineering	Transportation Engineering
	3.	Surveying-II	Surveying-II
	4.	Quantity Surveying & Costing-I	Estimating and Costing I
	5.	Hydraulics & Plumbing Lab	Hydraulics & Plumbing Lab
	6.	Surveying Practice-II	Surveying Practice-II
V	1.	Structural Engineering	Structural Engineering
	2.	Environmental Engineering & Pollution Control	Environmental Engineering & Pollution Control
	3.	Elective Theory-I	
		1.Irrigation Engineering	Water Resources Management
		2.Building Services	Building Services
		3.Town Planning	Town Planning
		4.Rural Engineering Technology	Environmental Engineering and Pollution Control
	4.	Civil Engineering Drawing-II	CAD in Civil Engineering Drawing –II
	5.	Computer Application in Civil Engineering	Computer Applications in Civil Engineering Practice
	6.	Material Testing Lab-II	Material Testing Lab –II
VI	1.	Theory of Structures	Theory of Structures
	2.	Construction Management & Entrepreneurship	Construction Management with MIS
	3.	Elective Theory-II	
		1.Soil Mechanism & Foundation Engineering	Soil Mechanics and Foundation Engineering
		2.Steel Timber & Masonry Structures	Steel Structures
		3.Advanced Surveying	Surveying-II
		4.Advanced Construction	Advanced Construction Technology
	4.	Quantity Surveying & Costing II	Estimating and Costing I
	5.	Construction Practice Lab	Construction Practice Lab
	6.	Project Work	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘J’ SCHEME (2003- 2008)

SEM	Sl. No.	J Scheme (I year Admission 2003-04)	Relevant papers in which the candidate has to write in December 2020 Board Examinations. ‘M’ Scheme
III	1.	Engineering Mechanics	Engineering Mechanics
	2.	Construction Materials & Practice	Construction Materials & Construction Practice
	3.	Surveying	Surveying – II
	4.	Civil Engineering Drawing-I	Civil Engineering Drawing-I
	5.	Material testing Lab	Material testing Lab –I
	6.	Surveying Practice-I	Surveying Practice-I
IV	1.	Theory of Structures	Theory of Structures
	2.	Hydraulics	Hydraulics
	3.	Transportation Engineering	Transportation Engineering
	4.	Hydraulics Lab Practice	Hydraulics & Plumbing Lab
	5.	CAD in Civil Engineering Drawing	CAD in Civil Engineering Drawing I
	6.	Surveying Practice-II	Surveying Practice-II
V	1.	Structural Engineering	Structural Engineering
	2.	Estimating & Costing	Estimating & Costing –I
	3.	Elective Theory-I	
		1. Elements of Interior Design	31254 Elements of Interior Design of V ARCH
		2. Advanced Construction Technology	Advanced Construction Technology
		3. Soil Mechanics & Foundation Engineering	Soil Mechanics and Foundation Engineering
	4.	Civil Engineering Drawing-II	CAD in Civil Engineering Drawing –II
	5.	Computer Application in Civil Engineering	Computer Applications in Civil Engineering practice
	6.	Material Testing Lab Practice-II	Material Testing Lab –II
VI	1.	Construction Management & Entrepreneurship	Construction Management with MIS
	2.	Environmental Engineering & Pollution Control	Environmental Engineering & Pollution Control
	3.	Elective Theory II	
		1. Irrigation Engineering	Water Resources Management
		2. Town planning	Town planning
		3. Advanced RC Concrete Structure	Structural Engineering
	4.	Environmental Engineering Lab Practice	Construction Practice lab
	5.	Construction lab Practice	Construction Practice lab
	6.	Project Work	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

'K' SCHEME (2007- 2011)

SEM	Sl. No	K Scheme (I year Admission 2007-2008)	Relevant papers in which the candidate has to write in December 2020 Board Examinations. 'M' Scheme
III	1.	Engineering Mechanics	Engineering Mechanics
	2.	Construction Materials and Practice	Construction Materials and Construction Practice
	3.	Surveying	Surveying II
	4.	Civil Engineering Drawing I	Civil Engineering Drawing – I
	5.	Material Testing Lab Practice I	Material Testing Lab I
	6.	Surveying Practice I	Surveying Practice I
IV	1.	Theory of Structures	Theory of Structures
	2.	Environmental Engineering	Environmental Engineering and Pollution Control
	3.	Transportation Engineering	Transportation Engineering
	4.	Material Testing Lab Practice II	Material Testing Lab II
	5.	CAD in Civil Engineering Drawing Practice I	CAD in Civil Engineering Drawing I
	6.	Surveying Practice II	Surveying Practice II
V	1.	Structural Engineering	Structural Engineering
	2.	Quantity Surveying	Estimating and Costing I
	3.	Elective Theory-I	
		Concrete Technology and Advanced Construction	Advanced Construction Technology
		Elements of Interior Design	31254 Elements of Interior Design of V ARCH
	4.	CAD in Civil Engineering Drawing Practice II	CAD In Civil Engineering Drawing II
5.	Construction Lab Practice	Construction Practice Lab	
6.	English Communication Practical	Life and Employability Skills Practical	
VI	1.	Construction Management with MIS	Construction Management with MIS
	2.	Hydraulics	Hydraulics
	3.	Elective Theory II	
		Town Planning	Town Planning
		Water Resource Management	Water Resources Management
	4.	Hydraulics and Plumbing Lab	Hydraulics Lab
5.	Computer Application In Civil Engineering	Computer Applications in Civil Engineering practice	
6.	Project Work	Project Work	

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

MECHANICAL ENGINEERING
REVISED REGULATION (1985-1989)

SEM	SL. No	Revised Regulation (RR) (I year Admission 1985-86)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Engineering Mechanics	Strength of materials
	2.	Production Technology-I	Manufacturing Processes
	3.	Heat Power Engineering-I	Heat Power Engineering
	4.	Machine Drawing	Computer Applications and CAD Practical
	5.	Engineering Mechanics Lab	Strength of Materials and Fluid Mechanics Practical
	6.	Workshop(Foundry & Welding)	Lathe and Drilling Practical
IV	1.	Fluid Mechanics & Machines	Fluid Mechanics & Fluid Power
	2.	Material science	Manufacturing Processes
	3.	Electrical & Electronics Engineering	Electrical Drives & Control
	4.	Machine Design & Drawing	Computer Application and CAD Practical
	5.	Fluid Mechanics & Machines Lab	Strength of Materials and Fluid Mechanics Practical
	6.	Electrical & Electronics lab	Electrical Drives & Control Practical
V	1.	Heat Power Engineering II	Heat Power Engineering
	2.	Production Technology II	Special Machines
	3.	Introduction to Computer Programming	C Programming of III Sem Computer Engg (35233)
	4.	Heat Power Engineering Lab	Thermal and Automobile Engineering Practical
	5.	Workshop, Lathe Work	Workshop II(Turning, Drilling & Shaping) (K Scheme)
	6.	Special Machines I	Special Machines Practical
VI	1.	Industrial Management	Industrial Engineering and Management
	2.	Production Technology III	Special Machines
	3.	Elective Theory	
		1.Automobile Technology	Thermal and Automobile Engineering
		2.Refrigeration & Air conditioning	Refrigeration & Air conditioning
		3.Metallurgy	Physical Metallurgy of Foundry(SW) 39133
		4.Machine Shop Technology	Special Machines
		5.Welding Technology	Lathe and Drilling Practical
		6.Agriculture & Farm Equipment Technology	Farm Machinery of Agricultural Technology (32352)
		7.Machine Design & Drafting	Design of Machine Elements
	4. Elective Practical	Elective Practical	
	5. Workshop Special Machines –II	Workshop Special Machines –II (D Scheme)	
	6. Project Work & Entrepreneurship	Project Work	

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘C’ SCHEME (1988- 1993)

SEM	Sl. No	Revised Scheme(RS)[C SCHEME] (I year Admission 1988-89)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Engineering Mechanics	Strength of materials
	2.	Production Technology-I	Manufacturing Processes
	3.	Heat Power Engineering-I	Heat Power Engineering
	4.	Machine Drawing	Computer Application and CAD Practical
	5.	Engineering Mechanics Lab	Strength of Materials and Fluid Mechanics Practical
	6.	Workshop(Foundry & Welding)	Lathe and Drilling Practical
IV	1.	Fluid Mechanics & Machines	Fluid Mechanics & Fluid Power
	2.	Material science	Manufacturing Processes
	3.	Electrical & Electronics Engineering	Electrical Drives & Control
	4.	Machine Design & Drawing	Computer Application and CAD Practical
	5.	Fluid Mechanics & Machines Lab	Strength of Materials and Fluid Mechanics Practical
	6.	Electrical & Electronics lab	Electrical Drives & Control Practical
V	1.	Heat Power Engineering II	Heat Power Engineering
	2.	Production Technology II	Special Machines
	3.	Introduction to Computer Programming	C Programming of III Sem Computer Engg (35233)
	4.	Heat Power Engineering Lab	Thermal and Automobile Engineering Practical
	5.	Workshop, Lathe Work	Workshop II(Turning, Drilling & Shaping) [K Scheme]
	6.	Special Machines I	Special Machines Practical
VI	1.	Industrial Management	Industrial Engineering and Management
	2.	Production Technology III	Special Machines
	3.	Elective Theory	
		1.Automobile Technology	Thermal and Automobile Engineering
		2.Refrigeration & Air conditioning	Refrigeration and Air conditioning
		3.Metallurgy	Physical Metallurgy of Foundry(SW) 39133
		4.Machine Shop Technology	Special Machines
		5.Welding Technology	Manufacturing Processes
		6.Agriculture & Farm Equipment Technology	Farm Machinery of Agricultural Technology (32352)
		7.Machine Design & Drafting	Design of Machine Elements
	4.	Elective Practical	Elective Practical
5.	Workshop Special Machines –II	Workshop Special Machines –II (D Scheme)	
6.	Project Work & Entrepreneurship	Project Work	

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

'D' SCHEME (1992- 2000)

SEM	SL. NO.	New Scheme [D Scheme] (I year Admission 1992-93)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Mechanics of Materials	Strength of Materials
	2.	Manufacturing Process	Manufacturing Processes
	3.	Fluid Mechanics & Machines	Fluid Mechanics & Fluid Power
	4.	Machine Design & Drawing – I	Computer Application and CAD Practical
	5.	Mechanics of Materials lab & Fluid Mechanics & Machines	Strength of Materials and Fluid Mechanics Practical
	6.	Workshop-Foundry & Welding	Lathe and Drilling Practical
IV	1.	Heat Power Engineering	Heat Power Engineering
	2.	Machine Tool Technology	Special Machines
	3.	Electrical & Electronics Engineering	Electrical Drives & Control
	4.	Machine Design & Drawing II	Computer Application and CAD Practical
	5.	Workshop Lathe Work	Workshop II(Turning, Drilling & Shaping) [K Scheme]
	6.	Electrical & Electronics lab	Electrical Drives & Control Practical
V	1.	Thermal Power Engineering	Heat Power Engineering
	2.	Industrial Engineering	Industrial Engineering and Management
	3.	Computer Programming & Applications	C Programming of III Sem Computer Engg (35233)
	4.	Thermal Power Engineering Lab	Thermal and Automobile Engineering Practical
	5.	Computer Programming & Drafting Lab	Computer Programming & Drafting Lab (D Scheme)
	6.	Workshop Special machines I	Special Machines Practical
VI	1.	Industrial Management	Industrial Engineering and Management
	2.	Modern Production Process	Special Machines
	3.	Elective Theory	
		1.Automobile Technology	Thermal and Automobile Engineering
		2.Machine Shop Technology	Special Machines
		3.Hydraulics & Pneumatic Power System	Fluid Mechanics and Fluid Power
		4.Refrigeration & Air conditioning	Refrigeration and Air conditioning
		5.Machine Design & Drafting	Design of Machine Elements
	4.	Elective Practical	
		Machine Design & Drafting (Written Practical)	Special Machines Practical
	5.	Workshop Special Machines II	Workshop Special Machines II(D Scheme)
6.	Project work	Project Work	

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

'G' SCHEME (1999 -2004)

SEM	SL.N O.	G Scheme (I year Admission 1999-2000)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Mechanics of Materials	Strength of Materials
	2.	Manufacturing Processes	Manufacturing Processes
	3.	Fluid Mechanics & Fluid Power	Fluid Mechanics & Fluid Power
	4.	Machine Drawing I	Computer Application and CAD Practical
	5.	Mechanics of Materials & Fluid Mechanics Lab	Strength of Materials and Fluid Mechanics Practical
	6.	Workshop I (Smithy, Foundry & Welding)	Lathe and Drilling Practical
IV	1.	Applied Thermodynamics	Heat Power Engineering
	2.	Machine Shop Technology	Special Machines
	3.	Electrical & Electronics Engineering	Electrical Drives & Control
	4.	AutoCAD Lab	Computer Application and CAD Practical
	5.	Electrical & Electronics Engineering Lab	Electrical Drives & Control Practical
	6.	Workshop II (Lathe & Metrology)	Workshop II(Turning, Drilling & Shaping) [K Scheme]
V	1.	Design of Machine Elements	Design of Machine Elements
	2.	CAD/CAM	Computer Aided Design and Manufacturing
	3.	Elective Theory I	
		1.Jigs,Fixtures & Gauges	Special Machines
		2.Refrigeration & Air conditioning	Refrigeration and Air conditioning
		3.Welding Technology	Manufacturing Processes
		4.Metrology &Machine Tool Testing	Manufacturing Processes
		5.Plastic Engineering	Plastic Processing of V Sem Polymer Technology 37551
		6.Press Tools	Press Tools of Mechanical (Tool & Die) 32252
		7.Tool Engineering	Special Machines
	4.	CAD/CAM Lab	Computer Aided Design and Manufacturing Practical
	5.	Elective Practical-I	
		Jigs, Fixtures & Gauges (Written Practical)	Special Machines Practical
		Press Tools (Written Practical)	Lathe and Drilling Practical
		Tool Engineering (Written Practical)	Lathe and Drilling Practical
	6.	Workshop III (Planner, Slotter, Shaper etc)	Special Machines Practical

VI	1.	Industrial Engineering & Management	Industrial Engineering and Management
	2.	Automobile Technology	Thermal and Automobile Engineering
	3.	Elective Theory II	
		1.C++ Programming	C Programming of III Sem Computer Engg (35233)
		2.Farm Equipment Technology	Farm Machinery of Agricultural Technology (32352)
		3.Foundry Technology	Moulding Materials and Processes of Foundry(SW) 39153
		4.Metallurgy	Physical Metallurgy of Foundry(SW) 39133
		5.TQM	Total Quality Management
		6.Robotics	Robotics of Electronics (Robotics) / Mechatronics Engineering 34763
		7.Process Planning & Cost Estimation	Industrial Engineering And Management
	4.	Auto & Thermal Lab	Thermal and Automobile Engineering Practical
	5.	Elective Practical II	Elective Practical II
		TQM (Written practical)	TQM (Written practical) (G scheme)
		Process Planning and Cost Estimation (Written practical)	Process Planning and Cost Estimation (Written practical) (G scheme)
	6.	Project Work & Seminar	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘J’ SCHEME (2003- 2008)

SEM	Sl.No.	J Scheme (1 year Admission 2003-04)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Mechanics of Materials	Strength of Materials
	2.	Manufacturing Processes	Manufacturing Processes
	3.	Fluid Mechanics & Fluid Power	Fluid Mechanics & Fluid Power
	4.	Machine Drawing	Computer Application and CAD Practical
	5.	Mechanics of Materials & Fluid Mechanics Lab	Strength of Materials and Fluid Mechanics Practical
	6.	Workshop I (Smithy, Foundry & Welding)	Lathe and Drilling Practical
IV	1.	Applied Thermodynamics	Heat Power Engineering
	2.	Machine Shop Technology	Special Machines
	3.	Electrical & Electronics Engineering	Electrical Drives & Control
	4.	Thermodynamics Lab	Thermal and Automobile Engineering Practical
	5.	Electrical & Electronics Engineering Lab	Electrical Drives & Control Practical
	6.	Workshop II (Lathe & Metrology)	Workshop II(Turning, Drilling & Shaping) [K Scheme]
V	1.	Design of Machine Elements	Design of Machine Elements
	2.	Thermal Engineering	Thermal and Automobile Engineering
	3.	Elective Theory-I	Elective Theory-I
		1.Foundry Technology	Moulding Materials and Processes of Foundry(SW) 39153
		2.Refrigeration & Air conditioning	Refrigeration and Air conditioning
		3.Welding Technology	Manufacturing Processes
		4.Metrology & Machine Tool Testing	Manufacturing Processes
		5.Farm Equipment Technology	Farm Machinery of Agricultural Technology (32352)
	4.	AutoCAD Lab	Computer Application and CAD Practical
	5.	Elective Practical-I	Elective Practical-I
	6.	Workshop III (Special Machines)	Special Machines Practical
VI	1.	Industrial Engineering & Management	Industrial Engineering and Management
	2.	CAD/CAM	Computer Aided Design and Manufacturing
	3.	Elective Theory-II	
		1.Automobile Technology	Thermal and Automobile Engineering
		2.Mechatronics	Robotics
	3.Metallurgy	Physical Metallurgy of Foundry(SW)	

			39133
		4.Plastic Engineering	Plastic Processing of V Sem Polymer Technology (37551)
		5.Robotics	Robotics of Electronics (Robotics) / Mechatronics Engineering 34763
	4.	CAD/CAM Lab	Computer Aided Design and Manufacturing Practical
	5.	Elective Practical II	Elective Practical II
	6.	Project Work, Entrepreneurship & Personal Skills	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

'K' SCHEME (2007- 2011)

SEM	SL. NO.	K Scheme (1 year Admission 2007-08)	Relevant papers in which the candidate has to write in December 2020 Board Examinations. M Scheme
III	1.	Mechanics of Materials	Strength of Materials
	2.	Manufacturing Processes	Manufacturing Processes
	3.	Fluid Mechanics & Fluid Power	Fluid Mechanics & Fluid Power
	4.	Machine Drawing - CAD	Computer Application and CAD Practical
	5.	Mechanics of Materials & Fluid Mechanics Lab	Strength of Materials and Fluid Mechanics Practical
	6.	Workshop I (Smithy, Foundry & Welding)	Lathe and Drilling Practical
IV	1.	Applied Thermodynamics	Heat Power Engineering
	2.	Machine Shop Technology	Special Machines
	3.	Electrical & Electronics Engineering	Electrical Drives & Control
	4.	Thermodynamics Lab	Thermal and Automobile Engineering Practical
	5.	Electrical & Electronics Engineering Lab	Electrical Drives & Control Practical
	6.	Workshop II (Turning, Drilling & Shaping)	No alternative
V	1.	Design of Machine Elements	Design of Machine Elements
	2.	Thermal Engineering	Thermal and Automobile Engineering
	3.	Elective Theory-I	
		1. Refrigeration and air conditioning	Refrigeration and Air-conditioning
		2. Metrology, Machine Tool Maintenance and Testing	Manufacturing Processes
	4.	English Communication Practical	Life & Employability Skills Practical
	5.	Elective Practical -I	
		1. Refrigeration and air conditioning Lab	Refrigeration and Air-conditioning Practical
		2. Metrology, Machine Tool Maintenance and Testing Lab	Machine Tool Testing and Maintenance Practical
6.	Workshop-III (Slotting, Planning, Milling, Grinding & CNC Machines)	Special Machines Practical	
VI	1.	Industrial Engineering & Management	Industrial Engineering and Management
	2.	Computer Aided Design and Manufacturing	Computer Aided Design and Manufacturing

	3.	Elective Theory- II	
		1. Automobile Technology	Thermal and Automobile Engineering
		2. Mechatronics	Robotics
	4.	Computer Aided Design and Manufacturing Practical	Computer Aided Design and Manufacturing Practical
	5.	Elective Practical - II	
		1. Automobile Technology Lab	Thermal and Automobile Engineering Practical
		2. Mechatronics Lab	Robotics Practical
	6.	Project Work, Entrepreneurship, Environment and Disaster Management	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

ELECTRONICS & COMMUNICATION ENGINEERING
REVISED REGULATION (1985- 1989)

SEM	SL. NO.	Revised Regulation (RR) (I year Admission 1985-86)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Mathematics	30012 - Engineering Mathematics – I of First Sem Diploma .
	2.	Electronic Devices	Electronic Devices & Circuits
	3.	Components, Circuits & Machines	Electrical Circuits & Instrumentation
	4.	Introduction to Computer Programming	Programming in C
	5.	Devices Lab	Electronic Devices & Circuits Practical
	6.	Circuits & Machines Lab	Electronic Devices & Circuits Practical
IV	1.	Electronic Circuits	Electronic Devices & Circuits
	2.	Measurements & Instrumentation	Electrical Circuits & Instrumentation
	3.	Network, Antenna & Propagation	Communication Engineering
	4.	Electronic Circuits Lab	Electronic Devices & Circuits Practical
	5.	Measurements & Instrumentation Lab	Electrical Circuits & Instrumentation Practical
	6.	Electronics Drafting & Tracing Lab	Electronics Drafting & Tracing Lab (D Scheme)
V	1.	Micro Electronics	Digital Electronics
	2.	Communication System	Communication Engineering
	3.	Elective Theory-I	
		1.Microwave Engineering	Advanced Communication Systems
		2.Television Engineering	Television Engineering
		3.Medical Electronics	Bio-Medical Instrumentation
		4,PCB Design & Fabrication	Surface Mount Technology (J-Scheme)
	4.	Micro Electronics Lab	Integrated Circuits Practical
	5.	Communication System & Servicing Lab	Industrial Electronics & Communication Engineering Practical
	6.	Elective Practical-I	Elective Practical-I(as per theory scheme)
VI	1.	Microprocessor & its Application	Digital Electronics
	2.	Industrial Electronics	Industrial Electronics
	3.	Elective Theory II	
		1.Computer Programming in COBOL	COBOL Programming of Computer Technology (G Scheme)
		2.System Design using IC's	Advanced Communication Systems
		3.Instrumentation & Control Systems	34233 Basics of Instrumentation of III Instrumentation and Control Engg.
		4.Advanced Communication Engineering	Advanced Communication Systems

	4.	Microprocessor Lab	Microprocessor Lab (G Scheme)
	5.	Industrial Electronics Lab	Industrial Electronics & Communication Engineering Practical
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘C’ SCHEME (1988-1993)

SEM	SL. NO.	Revised Scheme (RS) [C Scheme] (I year Admission 1988-89)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Mathematics	30012 - Engineering Mathematics – I of First Sem Diploma .
	2.	Electronic Devices	Electronic Devices & Circuits
	3.	Components, Circuits & Machines	Electrical Circuits & Instrumentation
	4.	Introduction to Computer Programming	Programming in C
	5.	Devices Lab	Electronic Devices & Circuits Practical
	6.	Circuits & Machines Lab	Electronic Devices & Circuits Practical
IV	1.	Electronic Circuits	Electronic Devices & Circuits
	2.	Measurements & Instrumentation	Electrical Circuits & Instrumentation
	3.	Network, Antenna & Propagation	Communication Engineering
	4.	Electronic Circuits Lab	Electronic Devices & Circuits Practical
	5.	Measurements & Instrumentation Lab	Electrical Circuits & Instrumentation Practical
	6.	Electronics Drafting & Tracing Lab	Electronics Drafting & Tracing Lab (D Scheme)
V	1.	Micro Electronics	Digital Electronics
	2.	Communication System	Communication Engineering
	3.	Elective Theory-I	
		1.Microwave Engineering	Advanced Communication Systems
		2.Television Engineering	Television Engineering
		3.Medical Electronics	Bio-Medical Instrumentation
		4,PCB Design & Fabrication	Surface Mount Technology (J Scheme)
	4.	Micro Electronics Lab	Integrated Circuits Practical
	5.	Communication System & Servicing Lab	Industrial Electronics & Communication Engineering Practical
	6.	Elective Practical-I	Elective Practical-I(as per theory scheme)
VI	1.	Microprocessor & its Application	Digital Electronics
	2.	Industrial Electronics	Industrial Electronics
	3.	Elective Theory II	
		1.Computer Programming in COBOL	COBOL Programming of Computer Technology(G Scheme)
		2.System Design using IC's	Advanced Communication Systems
		3.Instrumentation & Control Systems	34233 Basics of Instrumentation of III Instrumentation and Control Engg.
		4.Advanced Communication Engineering	Advanced Communication Systems
	4.	Microprocessor Lab	Microprocessor Lab (G Scheme)

	5.	Industrial Electronics Lab	Industrial Electronics & Communication Engineering Practical
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘D’ SCHEME (1992- 2000)

SEM	SL. NO.	NewScheme [D Scheme] (1 year Admission 1992-93)	Relevant papers in which the candidate has to write in December 2020 Board Examinations
III	1.	Mathematics	30012 - Engineering Mathematics – I of First Sem Diploma
	2.	Electronic Devices & Components	Electronic Devices & Circuits
	3.	Electrical Circuits & Machines	Electrical Circuits & Instrumentation
	4.	Programming & Applications of Computer	Programming in ‘C’
	5.	Electronic Devices Lab	Electronic Devices & Circuits Practical
	6.	Programming & Applications of Computer Lab	Programming & Applications of Computer Lab (D Scheme)
IV	1.	Electronic Circuits	Electronic Devices & Circuits
	2.	Micro Electronics	Digital Electronics
	3.	Network, Antenna & Propagation	Communication Engineering
	4.	Electronic Circuits Lab	Electronic Devices & Circuits Practical
	5.	Micro Electronics Lab	Integrated Circuits Practical
	6.	Electronics Drafting & Tracing Lab	Electronics Drafting & Tracing Lab
V	1.	Measurements & Instrumentation	Electrical Circuits & Instrumentation
	2.	Communication Engineering	Communication Engineering
	3.	Microprocessor & Applications	Digital Electronics
	4.	Measurements & Instrumentation Lab	Electrical Circuits & Instrumentation Lab
	5.	Communication Engineering Lab	Industrial Electronics & Communication Engineering Practical
	6.	Microprocessor Lab	Microprocessor Lab (G Scheme)
VI	1.	Television Engineering	Television Engineering
	2.	Communication Systems	Advanced Communication Systems
	3.	Elective Theory	
		1.Microwave Engineering	Advanced Communication System
		2.Industrial Electronics	Industrial Electronics
		3.Computer Programming in COBOL	COBOL Programming of Computer Technology (G Scheme)
		4.Instrumentation & Control Systems	34233 Basics of Instrumentation of III Semester Instrumentation & Control Engineering
		5.PCB Design	Surface Mount Technology (J Scheme)
		6. C Programming Language	35233 - C Programming of Computer Engineering
		4. T.V. Servicing Lab	Television Engineering
	5. Elective Lab	Elective Lab (as per theory scheme)	
	6. Project Work & Entrepreneurship	Project Work	

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

'G' SCHEME (1999- 2004)

SEM	SL. NO	G Scheme (I year Admission 1999-2000)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Circuits & Machines	Electrical Circuits & Instrumentation
	2.	Electronic Devices & Components	Electronic Devices & Circuits
	3.	C++ Programming	Programming in 'C'
	4.	Circuits & Machines Lab	Electrical Circuits & Instrumentation Practical
	5.	Electronic Devices & Components Lab	Electronic Devices & Circuits practical
	6.	C++ Programming Lab	C++ Programming Lab (J Scheme)
IV	1.	Electronic Circuits	Electronic Devices & Circuits
	2.	Digital Electronics	Digital Electronics
	3.	Measurements & Instrumentation	Electrical Circuits & Instrumentation
	4.	Electronic Circuits Lab	Electronic Devices & Circuits Practical
	5.	Digital Electronics Lab	Integrated Circuits Practical
	6.	Measurements & Instrumentation Lab	Electrical Circuits & Instrumentation Practical
V	1.	Microprocessor & Applications	Digital Electronics
	2.	Communication Engineering	Communication Engineering
	3.	Elective Theory-I	
		1. Visual Basic	Visual Basic (G Scheme)
		2. Television Engineering	Television Engineering
		3. Bio-Medical Instrumentation	Bio-Medical Instrumentation
	4.	Microprocessor Lab	Microprocessor Lab (G Scheme)
	5.	Communication Engineering Lab	Industrial Electronics & Communication Engineering Practical
	6.	Elective Lab-I	Elective Lab I (as per theory scheme)
VI	1.	Industrial Electronics	Industrial Electronics
	2.	Communication Systems	Advanced Communication Systems
	3.	Elective Theory-II	
		1. Power Electronics	34273 - Industrial Power Electronics of V Instrumentation and Control Engg.
		2. Computer Installation & Servicing	Computer Hardware Servicing & Networking
		3. Surface Mount Technology	Surface Mount Technology (J Scheme)
	4.	Industrial Electronics Lab	Industrial Electronics & Communication Engineering Practical
	5.	Elective Lab II	Elective Lab II (as per theory scheme)
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘J’ SCHEME (2003 – 2008)

SEM	SL. NO.	J Scheme (1 year Admission 2003-04)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Electrical Circuits & Machines	Electrical Circuits & Instrumentation
	2.	Electronic Devices & Components	Electronic Devices & Circuits
	3.	C++ Programming	Programming in ‘C’
	4.	Electrical Circuits & Machines Lab	Electrical Circuits & Instrumentation Practical
	5.	Electronic Devices & Components Lab	Electronic Devices & Circuits Practical
	6.	C++ Programming Lab	C++ Programming Lab (J Scheme)
IV	1.	Electronic Circuits	Electronic Devices & Circuits
	2.	Digital Electronics	Digital Electronics
	3.	Measurements & Instrumentation	Electrical Circuits & Instrumentation
	4.	Electronic Circuits Lab	Electronic Devices & Circuits Practical
	5.	Digital Electronics Lab	Integrated Circuits Practical
	6.	Measurements & Instrumentation Lab	Electrical Circuits & Instrumentation Practical
V	1.	Communication Engineering	Communication Engineering
	2.	Microcontrollers & Advanced Microprocessors	Microcontroller
	3.	Elective Theory-I	
		1.Surface Mount Technology	Surface Mount Technology(J Scheme)
		2.Computer Installation & Servicing	Computer Hardware Servicing & Networking
		3.Bio-Medical Instrumentation	Bio-Medical Instrumentation
		4.Power Electronics	34273 - Industrial Power Electronics Of V Semester Instrumentation & Control Engineering
	4.	Communication Engineering Lab	Industrial Electronics & Communication Engineering Practical
	5.	Microcontrollers & Microprocessors Lab	Microcontroller Practical
	6.	Elective I Lab	Elective I Lab (as per theory scheme)
VI	1.	Communication Systems	Advanced Communication Systems
	2.	Industrial Electronics	Industrial Electronics
	3.	Elective Theory-II	
		1.Digital Communication	Advanced Communication Systems
		2.Television Engineering	Television Engineering
		3.Computer Networks	Computer Hardware Servicing & Networking
		4.Digital Signal Processing	Digital Signal Processing(K Scheme)
	4.	Communication Systems Lab	Advanced Communication Systems Practical
	5.	Industrial Electronics Lab	Industrial Electronics & Communication Engineering Practical
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

‘K’ SCHEME (2007 – 2011)

SEM	SL. NO.	K Scheme (I year Admission 2007-08)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Electronic Devices and Circuits	Electronic Devices and Circuits
	2.	Electric Circuits and Instrumentation	Electrical Circuits and Instrumentation
	3.	‘C’ Programming and OOPS	Programming in ‘C’
	4.	Electronic Devices and Circuits Lab	Electronic Devices and Circuits Practical
	5.	Electric Circuits & Instrumentation Lab	Electric Circuits & Instrumentation Practical
	6.	‘C’ Programming Lab	Programming in ‘C’ Practical
IV	1.	Analog and Digital Electronics	Digital Electronics
	2.	Industrial Electronics	Industrial Electronics
	3.	Communication Engineering	Communication Engineering
	4.	Analog and Digital Electronics Lab	Integrated Circuits Practical
	5.	IE and CE Lab	Industrial Electronics & Communication Engineering Practical
	6.	English Communication Lab	Life and Employability Skills Practical
V	1.	Microprocessor and Micro controller	Micro controller
	2.	Advanced Communication Systems	Advanced Communication Systems
	3.	Elective – I	
		1.Digital Signal Processing	No alternative
		2.VLSI	Very Large Scale Integration
		3.Robotics and Auto-Electronics	34763 Robotics and Auto Electronics of Electronics (Robotics) /Mechatronics
	4.	Microprocessor and Microcontroller Lab	Microcontroller Practical
	5.	Advanced Communication Systems Lab	Advanced Communication Systems Practical
	6.	Elective - I Lab	
		1. Digital Signal Processing Lab	No alternative
	2.VLSI Lab	Very Large Scale Integration Practical	
	3. Robotics and Auto-Electronics Lab	34765 Robotics Practical of Electronics (Robotics) / Mechatronics	
VI	1.	Computer Hardware and Networking	Computer Hardware Servicing & Networking
	2.	Embedded Systems	Embedded Systems (L Scheme)
	3.	Elective - II	
		1.Digital Image Processing	No alternative

		2. Television Engineering	Television Engineering
		3. Bio-Medical Instrumentation	Bio medical Instrumentation
	4.	Computer Hardware and Networking Lab	Computer Hardware Servicing & Networking practical
	5.	Embedded Systems Lab	Embedded Systems Practical
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

ELECTRICAL & ELECTRONICS ENGINEERING
REVISED REGULATION (1985-1989)

SEM	SL. No.	Revised Regulation (RR) (I year Admission 1985-86)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Circuit Theory	Electrical Circuit Theory
	2.	Machines-I	Electrical Machines-I
	3.	Engineering Mechanics & Prime Movers	37032 - Mechanical Engineering of III Chemical Engg.
	4.	Drawing-I	Electrical Machine Drawing(G Scheme)
	5.	Machines Lab I	Electrical Circuits & Machines Practical
	6.	Workshop-Foundry, Lathe & Welding	Foundry & Machine Shop(G Scheme)
IV	1.	Machines-II	Electrical Machines-II
	2.	Electronics-I	Electronic Devices & Circuits
	3.	Measurements	Measurements & Instruments
	4.	Drawing-II	Electrical Machine Drawing(G Scheme)
	5.	Machines Lab-II	Electrical Machines & Instrumentation Practical
	6.	Electronics Lab-I	Electronic Devices & Circuits Practical
V	1.	Generation, Transmission & Switch gear	Generation Transmission and Switchgear
	2.	Electronics-II	Digital Electronics
	3.	Control & Maintenance of machines	Control of Electrical machines
	4.	Wiring Lab, Winding Lab	Wiring, Winding Practical
	5.	Electronics Lab-II	Integrated Circuits Practical
	6.	Control & Maintenance Lab	Control of Electrical machines Practical
VI	1.	Computer Programming	C Programming of III Computer Engg. 35233
	2.	Distribution & utilization	Distribution and Utilization
	3.	Elective Theory	
		1.Industrial Electronics	Power Electronics
		2.Television Engineering	34081 -Television Engineering of Electronics & Communication Engineering
		3.Microprocessor	Digital Electronics
		4.Static Relays & Protection	Static Relays & Protection (G Scheme)
	4.	Estimating & Costing	Wiring, Winding Practical
	5.	Elective Lab	Elective lab(as per theory scheme)
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘C’ SCHEME (1988- 1993)

SEM	SL. NO.	Revised Scheme(RS) [C SCHEME] (1 year Admission 1988-89)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Circuit Theory	Electrical Circuit Theory
	2.	Machines-I	Electrical Machines-I
	3.	Engineering Mechanics & Prime Movers	37032 - Mechanical Engineering of III Chemical Engg.
	4.	Drawing-I	Electrical Machine Drawing(G Scheme)
	5.	Machines Lab I	Electrical Circuits & Machines Practical
	6.	Workshop-Foundry, Lathe & Welding	Foundry & Machine Shop(G Scheme)
IV	1.	Machines-II	Electrical Machines-II
	2.	Electronics-I	Electronic Devices & Circuits
	3.	Measurements	Measurements & Instruments
	4.	Drawing-II	Electrical Machine Drawing(G Scheme)
	5.	Machines Lab-II	Electrical Machines & Instrumentation Practical
	6.	Electronics Lab-I	Electronic Devices & Circuits Practical
V	1.	Generation, Transmission & Switch gear	Generation Transmission and Switchgear
	2.	Electronics-II	Digital Electronics
	3.	Control & Maintenance of machines	Control of Electrical machines
	4.	Wiring Lab, Winding Lab	Wiring, Winding Practical
	5.	Electronics Lab-II	Integrated Circuits Practical
	6.	Control & Maintenance Lab	Control of Electrical machines Practical
VI	1.	Computer Programming	35233 - C Programming of III Computer Engg.
	2.	Distribution & utilization	Distribution & Utilization
	3.	Elective Theory	
		1.Industrial Electronics	Power Electronics
		2.Television Engineering	34081 - Television Engineering of VI Electronics & Communication Engineering
		3.Microprocessor	Digital Electronics
	4.Static Relays & Protection	Static Relays & Protection (G Scheme)	
	4. Estimating & Costing	Wiring, Winding Practical	
	5. Elective Lab	Elective lab (as per theory scheme)	
	6. Project Work & Entrepreneurship	Project Work	

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

'D' SCHEME (1992- 2000)

SEM	SL. NO.	New Scheme [D Scheme] (1 year Admission 1992-93)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Circuit Theory	Electrical Circuit Theory
	2.	Machines-I	Electrical Machines-I
	3.	Engineering mechanics & Prime Movers	37032 Mechanical Engineering of III Chemical Engg.
	4.	Drawing-I	Electrical Machine Drawing (G Scheme)
	5.	Machines Lab I	Electrical Circuits & Machines Practical
	6.	Workshop-Foundry, Lathe & Welding	Foundry & Machine Shop (G Scheme)
IV	1.	Machines-II	Electrical Machines-II
	2.	Electronics-I	Electronic Devices & Circuits
	3.	Measurements	Measurements & Instruments
	4.	Drawing-II	Electrical Machine Drawing(G Scheme)
	5.	Machines Lab-II	Electrical Machines & Instrumentation Practical
	6.	Electronics Lab-I	Electronic Devices & Circuits Practical
V	1.	Generation, Transmission & Switch gear	Generation Transmission and Switchgear
	2.	Electronics-II	Digital Electronics
	3.	Control & Maintenance of machines	Control of Electrical machines
	4.	Electronics Lab-II	Integrated Circuits Practical
	5.	Control & Maintenance of machines Lab	Control of Electrical machines Practical
	6.	Wiring, Winding & Estimating	Wiring, Winding Practical
VI	1.	Computer Programming & Applications	35233 - C Programming of III Computer Engg.
	2.	Distribution & utilization	Distribution & Utilization
	3.	Elective Theory	
		1.Industrial Electronics	Power Electronics
		2.Television Engineering	34081 - Television Engineering of VI Electronics & Communication Engineering
		3.Microprocessor	Digital Electronics
		4.Static Relays & Protection	Static Relays & Protection (G Scheme)
	4.	Computer Programming & Applications Lab	Computer Aided Electrical drawing Practical
	5.	Elective Lab	Elective lab(as per theory scheme)
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘G’ SCHEME (1999-2004)

SEM	Sl. No.	G Scheme (I year Admission 1999-2000)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Electrical Circuit Theory	Electrical Circuit Theory
	2.	Electrical Machines-I	Electrical Machines-I
	3.	Programming C & Applications	35233 C Programming of Computer Engineering
	4.	Electrical Machines-I Lab	Electrical Circuits & Machines Practical
	5.	Programming C & Applications Lab	Programming C & Applications Lab (G Scheme)
	6.	Foundry & Machine Shop	Foundry & Machine Shop (G Scheme)
IV	1.	Electrical Machines-II	Electrical Machines-II
	2.	Electronic Devices & Circuits	Electronic Devices & Circuits
	3.	Measurements & Instrumentation	Measurements & Instruments
	4.	Electrical Machine Drawing	Electrical Machine Drawing (G Scheme)
	5.	Electrical Machines-II Lab	Electrical Machines & Instrumentation Practical
	6.	Electronic Devices & Circuits Lab	Electronic Devices & Circuits Practical
V	1.	Generation, Transmission & Switch gear	Generation Transmission and Switchgear
	2.	Digital Electronics & Microprocessor	Digital Electronics
	3.	Elective Theory-I	
		1.Static Relays & Protection	Static Relays & Protection (G Scheme)
		2.Control & Maintenance of electrical machines	Control of Electrical machines
		3.Non-Conventional Energy Sources	32073 Renewable Energy Sources and Energy Conservation of V Semester Mechanical Engg.
	4.	Wiring & Winding Lab	Wiring, Winding Practical
	5.	Digital electronics & Microprocessor Lab	Integrated Circuits Practical
	6.	Elective Practical-I	Elective Practical I(as per theory scheme)
VI	1.	Distribution & utilization	Distribution & Utilization
	2.	Electrical Estimation	Electrical Estimation And Energy Auditing
	3.	Elective Theory –II	
		1.Industrial Electronics	Power Electronics
		2.Microprocessor & Applications	Digital Electronics
		3.Bio-medical Instrumentation	Biomedical Instrumentation
	4.	Elective Practical-II	Elective Practical II(as per theory scheme)
	5.	Computer Aided Electrical Drawing Lab	Computer Aided Electrical drawing Practical
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

'J' SCHEME (2003-2008)

SEM	SL. NO.	J Scheme (1 year Admission 2003-04)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Electrical Circuit Theory	Electrical Circuit Theory
	2.	Electrical Machines-I	Electrical Machines-I
	3.	Electronic Devices & Circuits	Electronic Devices & Circuits
	4.	Electrical Machines Lab I	Electrical Circuits & Machines Practical
	5.	Electronic Devices & Circuits Lab	Electronic Devices & Circuits Practical
	6.	MS Office Lab	MS Office Lab (J Scheme)
IV	1.	Electrical Machines-II	Electrical Machines-II
	2.	Measurements & Instrumentation	Measurements & Instruments
	3.	Basics of Mechanical Engineering	37032 - Mechanical Engineering of III Semester Chemical Engg.
	4.	Electrical Machines Lab-II	Electrical Machines & Instrumentation Practical
	5.	Computer Aided Electrical Drawing Lab	Computer Aided Electrical drawing Practical
	6.	Mechanical Engineering Lab	Workshop Practical
V	1.	Generation, Transmission & Switch gear	Generation Transmission & Switchgear
	2.	Analog & Digital Electronics	Digital Electronics
	3.	Elective Theory-I	
		1.Programming in C	35233 - C Programming of Computer Engineering
		2.Control of Electrical machines	Control of Electrical machines
		3.Non-Conventional Energy Sources	32073 - Renewable Energy Sources and Energy Conservation of V Semester Mechanical Engg
		4.Electrical Machine Design	Electrical Machine Design
	4.	Wiring, Winding & Estimation Lab	Wiring, Winding Practical
	5.	Analog & Digital Electronics Lab	Integrated Circuits Practical
	6.	Elective Practical-I	Elective Practical I(as per theory scheme)
VI	1.	Distribution & utilization	Distribution & Utilization
	2.	Micro Controllers	Microcontroller
	3.	Elective Theory-II	
		1.Power Electronics	Power Electronics
		2.Programmable Logic Controller including Data Acquisition system(DAS)	Programmable Logic Controller
		3.Programming in C++	35233 - C Programming of III Sem Computer Engg.
		4.Computer Hardware Servicing	35261 - Computer Hardware and Servicing of VI Computer Engg.
	4.	Micro Controllers Lab	Microcontroller Practical
	5.	Elective Practical-II	Elective Practical II(as per theory scheme)
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘K’ SCHEME (2007-2011)

SEM	SL. NO.	K Scheme (I year Admission 2007-08)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Electrical Circuit Theory	Electrical Circuit Theory
	2.	Electrical Machines - I	Electrical Machines - I
	3.	Electronic Devices and Circuits	Electronic Devices and Circuits
	4.	Electrical Circuits and Machines Practical	Electrical Circuits and Machines Practical
	5.	Electronic Devices and Circuits Practical	Electronic Devices and Circuits Practical
	6.	Work Shop Practical	Work Shop Practical (L Scheme)
IV	1.	Electrical Machines - II	Electrical Machines - II
	2.	Measurements and Instrumentation	Measurements and Instruments
	3.	Analog and Digital Electronics	Digital Electronics
	4.	Electrical Machines and Instrumentation Practical	Electrical Machines and Instrumentation Practical
	5.	Analog and Digital Electronics Practical	Integrated Circuits Practical
	6.	English Communication Practical	Life and Employability Skill Practical
V	1.	Power System – I	Generation, Transmission and Switchgear
	2.	Microprocessor and Micro Controller	Micro Controller
	3.	Elective Theory – I	
		1. Control of Electrical Machines	Control of Electrical Machines
		2. Programmable Logic Controller	Programmable Logic Controller
		3. Electrical Machine Design	Electrical Machine Design
		Practical	
	4.	Wiring and Winding Practical	Wiring and Winding Practical
	5.	Micro Controller Practical	Micro Controller Practical
	6.	Elective Practical – I	
		1. Control of Electrical Machines Practical	Control of Electrical Machines Practical
		2. Programmable Logic Controller Practical	Programmable Logic Controller Practical
	3. Electrical Machine Design Practical	Electrical Machine Design Practical	
VI	1.	Power System – II	Distribution & Utilization
	2.	Electrical Estimation	Electrical Estimation and Energy Auditing
	3.	Elective Theory – II	Elective Theory – II
		1. Power Electronics	Power Electronics
		2. Computer Hardware and Networking	Computer Hardware and Networks
		3. “C” Programming and OOPS	35233 - C Programming of Computer Engineering

	4.	Computer Aided Electrical Drawing Practical	Computer Aided Electrical Drawing Practical
	5.	Elective Practical – II	Elective Practical – II
		1. Power Electronics Practical	Power Electronics Practical
		2. Computer Hardware and Networking Practical	Computer Hardware and Networks Practical
		3. “C” Programming and OOPS Practical	35236 – C Programming Practical of Computer Engineering
	6.	Project Work, Entrepreneurship, Environment and Disaster Management	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

COMPUTER ENGINEERING

‘C’ SCHEME (1988-1993)

SEM	SL. NO.	Revised Scheme (RS) [C Scheme] (I year Admission 1988-89)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Applied Statistics	C Programming
	2.	Electronic Circuits	Basics of Electrical & Electronics Engineering
	3.	Digital Electronics	34052 - Microcontroller of V ECE
	4.	Programming in COBOL	COBOL Programming (G Scheme)
	5.	Electronic Circuits Lab	Electrical & Electronics Practical
	6.	COBOL Programming Lab	COBOL Programming Lab(C Scheme)
IV	1.	FORTRAN Programming & Numerical Methods	Computer Architecture
	2.	Principles of Microprocessors	34052 - Microcontroller of V ECE
	3.	Computer Organisation	Computer Architecture
	4.	Computers in Business	Organisational Study & Entrepreneurship (D Scheme)
	5.	FORTRAN Programming Lab	FORTRAN Programming Lab (C Scheme)
	6.	Microprocessor Lab-I	Microprocessor Lab (G Scheme)
V	1.	Microprocessor & Applications	34052 Microcontroller of V ECE
	2.	System Analysis & Design	Organisational Study & Entrepreneurship (D Scheme)
	3.	Office Automation & Word Processing	C Programming
	4.	Computer Graphics	Computer Networks & Security
	5.	Microprocessor Application Lab	Microprocessor Based System Design Lab (D Scheme)
	6.	Graphics & Office Automation Lab	Graphics & Office Automation Lab (C Scheme)
VI	1.	Computer Installation & Maintenance	Computer Hardware & Servicing
	2.	System Software	Operating systems
	3.	Computer Peripherals & Interfacing	34052 Microcontroller of V ECE
	4.	Elective Theory	
		1.C Language programming	Data Structures using C
		2.Operation Research	Operation Research (C Scheme)
	3.Operating Systems	Operating systems	
	4.Programming in PASCAL	Operating systems	
	5. Database & Spreadsheet Lab	Database & Spreadsheet Lab(C Scheme)	
	6. Project Work	Project Work	

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

‘D’ SCHEME (1992-2000)

SEM	SL. NO.	New Scheme [D Scheme] (I year Admission 1992-93)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Introduction to Computer & BASIC Programming	C Programming
	2.	Electronic Devices & Circuits	Basics of Electrical & Electronics Engineering
	3.	Digital Electronics & Microprocessor	34052 Microcontroller of V ECE
	4.	Basic Programming Lab	Basic Programming Lab(D Scheme)
	5.	Electronic Devices & Circuits Lab	Electrical & Electronics Practical
	6.	Digital Electronics & Microprocessor Lab	Microprocessor Lab (G Scheme)
IV	1.	Microprocessor Interfacing Techniques	34052 Microcontroller of V ECE
	2.	Assembly Language Programming	Computer Architecture
	3.	System Software	Operating systems
	4.	Microprocessor Interfacing Techniques Lab	Microprocessors Lab(G Scheme)
	5.	Assembly Language Programming Lab	Assembly Language Programming Lab (D Scheme)
	6.	System Software Lab	Software Lab (J Scheme)
V	1.	Computer Architecture	Computer Architecture
	2.	Microprocessor Based System Design	34052 Microcontroller of V ECE
	3.	C Programming	Data Structures using C
	4.	Microprocessor Based System Design Lab	Microprocessor Based System Design Lab (D Scheme)
	5.	C Programming Lab	Data Structures using C Practical
	6.	PC Packages Lab	Software Lab (J Scheme)
VI	1.	Computer Installation & Servicing	Computer Hardware and Servicing
	2.	Computer Communication & Graphics	Computer Networks and Security
	3.	Organisational Study & Entrepreneurship	Organisational Study & Entrepreneurship (D Scheme)
	4.	Elective Theory	
		1.COBOLE Programming	COBOLE Programming (G Scheme)
		2.C++ Programming	C Programming
	3.UNIX Programming	Operating systems	
	5.	Hardware Servicing Lab	Computer Servicing and Network Practical
	6.	Project Work	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

'G' SCHEME (1999- 2004)

SEM	SL. NO.	G Scheme (I year Admission 1999-2000)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Electronic Devices & Digital Electronics	Basics of Electrical & Electronics Engineering
	2.	Data Structures using C	Data Structures using C
	3.	Operating systems	Operating systems
	4.	Electronic Devices & Digital Electronics Lab	Electrical & Electronics Practical
	5.	Data Structures using C Lab	Data Structures using C Practical
	6.	Operating systems Lab	Software Lab (J Scheme)
IV	1.	Microprocessors	34052 Microcontroller of V ECE
	2.	C++ Programming	C Programming
	3.	Computer Architecture	Computer Architecture
	4.	Microprocessors Lab	Microprocessors Lab(G Scheme)
	5.	C++ Programming Lab	C++ Programming Lab (J Scheme)
	6.	PC Packages Lab	Software Lab (J Scheme)
V	1.	Networks-I	Computer Networks and Security
	2.	Relational Database Management Systems	Relational Database and Management Systems
	3.	Elective Theory-I	
		1.Visual Basic Programming	Visual Basic Programming (G Scheme)
		2.Visual C++ Programming	Visual C++ Programming (J Scheme)
		3.Power Builder	Power Builder (G Scheme)
	4.	Networks-I Lab	Computer Servicing and Network Practical
	5.	Relational Database Management Systems Lab	Relational Database and Management Systems Practical
	6.	Elective Lab I	Elective Lab I (as per theory scheme)
VI	1.	Computer Installation & Servicing	Computer Hardware and Servicing
	2.	Networks-II	Computer Networks and Security
	3.	Elective Theory-II	
		1.Java Programming	Object Oriented Programming with Java
		2.DeskTop Publishing	DeskTop Publishing(G Scheme)
		3.COBOL Programming	COBOL Programming (G Scheme)
	4.	Hardware Servicing Lab	Computer Servicing and Network Practical
	5.	Elective Lab II	Elective Lab II (as per theory scheme)
	6.	Project Work &Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘J’ SCHEME (2003-2008)

SEM	SL. NO.	J Scheme (I year Admission 2003-04)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Electronics Circuits & Microprocessor	Basics of Electrical & Electronics Engineering
	2.	C++ Programming	C Programming
	3.	System Programming	Operating systems
	4.	Electronics Circuits & Microprocessor Lab	Electrical & Electronics Practical
	5.	C++ Programming Lab	C++ Programming Lab (J Scheme)
	6.	Software Lab	Software Lab (J Scheme)
IV	1.	Assembly Language Programming	Computer Architecture
	2.	Data Structures & Algorithm	Data Structures using C
	3.	Computer Architecture	Computer Architecture
	4.	Assembly Language Programming Lab	Assembly Language Programming Lab (J Scheme)
	5.	Data Structures Lab (Implementation in C)	Data Structures using C Practical
	6.	Visual Basic Programming Lab	Visual Basic Programming Lab(J Scheme)
V	1.	Networks & Administration	Computer Networks and Security
	2.	Relational Database Management Systems	Relational Database and Management Systems
	3.	Elective Theory -I	
		1.Java Programming	Object Oriented Programming with Java
		2.Visual C++ Programming	Visual C++ Programming(J Scheme)
		3. Computer Graphics	Computer Graphics (J Scheme)
	4.	Networks & Administration Lab	Computer Servicing and Network Practical
	5.	Relational Database Management Systems Lab	Relational Database and Management Systems Practical
	6.	Elective Lab I	Elective Lab I (as per theory scheme)
VI	1.	Computer Installation & Servicing	Computer Hardware and Servicing
	2.	Principles of Modern Communication System	Principles of Modern Communication System (J Scheme)
	3.	Elective Theory-II	
		1.Web Technology	Web Programming
		2.Multimedia	Multimedia Systems
		3.Linux Programming & Administration	Linux Practical
	4.	Computer Installation & Servicing Lab	Computer Servicing and Network Practical
	5.	Elective Lab II	Elective Lab II (as per theory scheme)
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

‘K’ SCHEME (2007-2011)

SEM	SL. NO.	K Scheme (I year Admission 2007-08)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Basics of Electrical and Electronics Engineering	Basics of Electrical & Electronics Engineering
	2.	C and Data Structures	Data Structure Using C
	3.	Operating systems	Operating Systems
	4.	Electrical and Electronics Laboratory	Electrical & Electronics Practical
	5.	C and Data Structures Laboratory	Data Structure Using C Practical
	6.	Operating systems Laboratory	Linux Practical
IV	1.	Computer Architecture and Assembly Language Programming	Computer Architecture
	2.	Internet Concepts and Web Designing	Web Programming
	3.	Object Oriented Programming with Java	Object Oriented Programming with Java
	4.	English Communication Laboratory	Life and Employability Skills Practical
	5.	Web Designing Laboratory	Web Programming Practical
	6.	Java Programming Laboratory	Java Programming Practical
V	1.	Computer Networks and Security	Computer Networks and Security
	2.	Relational Data Base Management Systems	Relational Database and Management Systems
	3.	.Net Programming(E-I)	Component Based Technology
	4.	Embedded Systems(E-I)	NO ALTERNATIVE
	5.	Computer Networks and Security Laboratory	Computer Servicing and Network Practical
	6.	Relational Data Base Management System Laboratory	Relational Database and Management Systems Practical
	7.	.Net Programming Laboratory	Component Based Technology Practical
	8.	Embedded Systems Laboratory	NO ALTERNATIVE

VI	1.	PC Hardware and Servicing	Computer Hardware and Servicing
	2.	Mobile Computing	Mobile Computing
	3.	Software Engineering(E-II)	Software Engineering
	4.	Multimedia Systems(E-II)	Multimedia Systems
	5.	PC Hardware and Servicing Laboratory	Computer Servicing and Network Practical
	6.	E-Publishing Laboratory	NO ALTERNATIVE
	7.	Multimedia Systems Laboratory	Multimedia Systems Practical
	8.	Project Work and Entrepreneurship	Project work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

INFORMATION TECHNOLOGY
'G' SCHEME (1999-2004)

SEM	SL. NO.	G Scheme (I year Admission 1999-2000)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Electronic Devices & Digital Electronics	Basics of Electrical & Electronics Engineering
	2.	Management Information System	Management Information System
	3.	Operating systems	Operating systems
	4.	Electronic Devices & Digital Electronics Lab	Electrical & Electronics Practical
	5.	Operating systems Lab	Software Lab (J Scheme)
	6.	PC Packages Lab	Software Lab (J Scheme)
IV	1.	Networks	Computer Hardware and Networks
	2.	Database Management Systems	Database Management Systems (G Scheme)
	3.	C++ Programming	C Programming
	4.	Networks Lab	Computer Hardware and Networks Practical
	5.	Database Management Systems Lab	Database Management Systems Lab (G Scheme)
	6.	C++ Programming Lab	C++ Programming Lab (J Scheme)
V	1.	Relational Database Management Systems	Relational Database and Management Systems
	2.	System Analysis & Design	System Analysis & Design (J Scheme)
	3.	Elective Theory-I	
		1.Visual Basic Programming	Visual Basic Programming(G Scheme)
		2.Visual C++ Programming	Visual C++ Programming(J Scheme)
		3.Power Builder	Power Builder(G Scheme)
	4.	Relational Database Management Systems Lab	Relational Database and Management Systems Practical
	5.	Desktop Publishing	Desktop Publishing(G Scheme)
	6.	Elective Lab I	Elective Lab I (as per theory scheme)
VI	1.	Software Engineering	35272 – Software Engineering
	2.	Internet Programming	Internet Programming (G Scheme)
	3.	Elective Theory-II	
		1.Java Programming	Object Oriented Programming with Java
		2.COBOLE Programming	COBOL Programming (G Scheme)
		3.Computer Installation & Servicing	35261 Computer Hardware and Servicing of VI Computer Engineering
	4.	Internet Programming Lab	Web Programming Practical
	5.	Elective Lab II	Elective Lab II (as per theory scheme)
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

'J' SCHEME (2003-2008)

SEM	SL. NO.	J Scheme (I year Admission 2003-04)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Electronics Circuits & Microprocessor	Basics of Electrical & Electronics Engineering
	2.	C++ Programming	C Programming
	3.	System Programming	Operating systems
	4.	Electronics Circuits & Microprocessor Lab	Electrical & Electronics Practical
	5.	C++ Programming Lab	C++ Programming Lab (J Scheme)
	6.	Software Lab	Software Lab (J Scheme)
IV	1.	Computer Graphics	Computer Graphics (J Scheme)
	2.	Data Structures & Algorithm	Data Structures using C
	3.	Management Information System	Management Information Systems
	4.	Computer Graphics Lab	Computer Graphics Lab (J Scheme)
	5.	Data Structures Lab (Implementation in C)	Data Structures using C Practical
	6.	Visual Basic Programming Lab	Visual Basic Programming Lab(J Scheme)
V	1.	Java Programming	Object Oriented Programming with Java
	2.	Relational Database Management Systems	Relational Database and Management Systems
	3.	Elective Theory-I	
		1.Linux Programming & Administration	Linux Practical
		2.Visual C++ Programming	Visual C++ Programming(J Scheme)
		3.Multimedia	Multimedia Systems
VI	4.	Java Programming Lab	Java Programming Practical
	5.	Relational Database Management Systems Lab	Relational Database and Management Systems practical
	6.	Elective Lab I	Elective Lab I (as per theory scheme)
	1.	Web Technology	Web Programming
	2.	Networks & Administration	Computer Hardware and Networks
	3.	Elective Theory-II	
	1.System Analysis & Design	System Analysis & Design (J Scheme)	
	2.Principles of Modern Communication System	Principles of Modern Communication System (J Scheme)	
	3.Principles of Programming Languages	Principles of Programming Languages (J Scheme)	
	4.	Web Technology Lab	Web Programming Practical
	5.	Networks & Administration Lab	Computer Hardware and Networks Practical
	6.	Project Work & Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘K’ SCHEME (2007-2011)

SEM	SL. NO.	K Scheme (I year Admission 2007-08)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Basics of Electrical and Electronics Engineering	Basics of Electrical & Electronics Engineering
	2.	C and Data Structures	Data Structures using C
	3.	Operating systems	Operating systems
	4.	Electrical and Electronics Laboratory	Electrical & Electronics Practical
	5.	C and Data Structures Laboratory	Data Structures using C Practical
	6.	Operating systems Laboratory	Linux Practical
IV	1.	Management Information Systems	Management Information Systems
	2.	Internet concepts and Web Designing	Web Programming
	3.	Object Oriented Programming with Java	Object Oriented Programming with Java
	4.	English Communication Laboratory	Life and Employability Skill Practical
	5.	Web Designing Laboratory	Web Programming Practical
	6.	Java Programming Laboratory	Java Programming Practical
V	1.	Open Source Softwares	No alternative
	2.	Relational Data Base Management Systems	Relational Database and Management Systems
	3.	Elective - I	
		1. .Net Programming	Component Based Technology
		2. Computer Networks and Security	35242 Computer Networks and Security of IV Semester Computer Engg
	4.	Open Source Softwares Laboratory	No alternative
	5.	Relational Data Base Management System Laboratory	Relational Database and Management System Practical
	6.	Elective-I Practical	
	1. .Net Programming Laboratory	Component Based Technology Practical	
	2. Computer Networks and Security Laboratory	Computer Hardware and Networks Practical	
VI	1.	Multimedia Systems	Multimedia Systems
	2.	Software Engineering	Software Engineering
	3.	Elective - II	
		Financial Accounting and Management	No alternative
		Advanced Java Programming	Advanced Java Programming
	4.	Multimedia Systems Laboratory	Multimedia Systems Practical
	5.	Elective –II Practical	

		Accounting Laboratory	No alternative
		Advanced Java Programming Laboratory	Advanced Java Programming Practical
	6.	Project Work and Entrepreneurship	Project Work

Note: Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

AUTOMOBILE ENGINEERING
'G' SCHEME (1999 -2004)

SEM	SL. NO.	G Scheme (I year Admission 1999-2000)	Relevant papers in which the candidate has to write in December 2020 Board Examinations
III	1.	Mechanics of Materials	Strength of Materials *
	2.	Manufacturing Processes	Manufacturing Processes*
	3.	Fluid Mechanics & Fluid Power	Fluid Mechanics & Fluid Power *
	4.	Machine Drawing I	Computer Application and CAD Practical*
	5.	Mechanics of Materials & Fluid Mechanics Lab	Strength of Materials and Fluid Mechanics Practical*
	6.	Workshop I (Smithy, Foundry & Welding)	Lathe and Drilling Practical*
IV	1.	Applied Thermodynamics	Thermal Engineering
	2.	Machine Shop Technology	Special Machines*
	3.	Electrical & Electronics Engineering	Electrical Drives & Control*
	4.	AutoCAD Lab	Computer Application and CAD Practical*
	5.	Electrical & Electronics Engineering Lab	Electrical Drives & Control Practical*
	6.	Workshop II (Lathe & Metrology)	Workshop II(Turning, Drilling & Shaping) * [K Scheme]
V	1.	Automobile Engine	Automobile Engines
	2.	Chassis & Transimission	Automobile Chassis & transmission
	3.	Body Building Technology	Automobile Body Building Engineering
	4.	Automobile Engines Lab	Thermal Engineering & IC Engines Practical
	5.	Automobile, Chassis Transmission, Electrical Equipment Lab	Automobile Chassis and Transmission Practical
	6.	Work shop - III (Spl. Machines)	Special Machines Practical*
VI	1.	Industrial Management & Road Transport Organisation	Industrial Management & Road Transport Organisation
	2.	CAD/CAM	Computer Aided Design and Manufacturing *
	3.	Automobile Electrical Equipments	Autotronics
	4.	CAD/CAM Lab	Computer Aided Design and Manufacturing Practical *
	5.	Automobile Workshop	Automobile Workshop Practical
	6.	Project Work	Project Work

- Note:**
1. * - Common with Mechanical Engineering
 2. Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

‘J’ SCHEME (2003- 2008)

SEM	SL. NO.	J Scheme (I year Admission 2003-04)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Mechanics of Materials	Strength of Materials *
	2.	Manufacturing Processes	Manufacturing processes*
	3.	Fluid Mechanics & Fluid Power	Fluid Mechanics & Fluid Power *
	4.	Machine Drawing	Computer Application and CAD Practical*
	5.	Mechanics of Materials & Fluid Mechanics Lab	Strength of Materials and Fluid Mechanics Practical*
	6.	Workshop I (Smithy, Foundry &Welding)	Lathe and Drilling Practical*
IV	1.	Applied Thermodynamics	Thermal Engineering
	2.	Machine Shop Technology	Special Machines*
	3.	Electrical & Electronics Engineering	Electrical Drives & Control*
	4.	Thermodynamics Lab	Thermal and Automobile Engineering Practical*
	5.	Electrical & Electronics Engineering Lab	Electrical Drives & Control Practical*
	6.	Workshop II (Lathe & Metrology)	Workshop II(Turning, Drilling & Shaping) * [K Scheme]
V	1.	Automobile Engines	Automobile Engines
	2.	Automobile Chassis & transmission	Automobile Chassis & Transmission
	3.	Automobile Electrical Equipments	Autotronics
	4.	Automobile Engines Lab	Thermal Engineering & IC Engines Practical
	5.	Automobile chassis trans & Elect&Equi Lab	Automobile Chassis and Transmission Practical
	6.	Work Shop - III (Special Machines)	Special Machines Practical*
VI	1.	Industrial Management & road Transport Org	Industrial management and Road Transport Organization
	2.	CAD / CAM	Computer Aided Design and Manufacturing*
	3.	Body building technology	Automobile Body Building Engineering
	4.	CAD / CAM Lab	Computer Aided Design and Manufacturing Practical*
	5.	Automobile Workshop	Automobile Workshop Practical
	6.	Project work, Entrepreneurship & Personal Skills	Project work

Note: 1. * - Common with Mechanical Engineering

2. Where ever the scheme is not mentioned in brackets, it is under ‘M’ Scheme

'K' SCHEME (2007- 2011)

SEM	SL. NO.	K Scheme (I year Admission 2007-08)	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
III	1.	Solid Mechanics and Fluid power Systems	Strength of Materials *
	2.	Manufacturing Process*	Manufacturing Processes*
	3.	Automotive engines	Automobile Engines
	4.	Machine Drawing - CAD*	Computer Application and CAD Practical*
	5.	Solid Mechanics and Fluid power systems lab.	Strength of Materials and Fluid Mechanics Practical*
	6.	Work shop – I (Smithy, Foundry & Welding)*	Lathe and Drilling Practical*
IV	1.	Applied Thermodynamics*	Thermal Engineering
	2.	Machine shop Technology*	Special Machines*
	3.	Automotive Electrical & Electronics Systems	Autotronics
	4.	Automotive Engines laboratory	Thermal Engineering & IC Engines Practical
	5.	Autotronics Laboratory	Autotronics Practical
	6.	Workshop II (Turning, Drilling and Shaping)*	No alternative
V	1.	Automotive Chassis & Transmission	Automobile Chassis and Transmission
	2.	Vehicle Body Engineering	Automobile Body Building Engineering
	3.	Industrial management and Road Transport Organization	Industrial Management and Road Transport Organisation
		English Communication Practical**	Life & Employability Skills Practical
		Automotive Chassis & Transmission Laboratory	Automobile Chassis and Transmission Practical
	4.	Automobile Workshop	Automobile Workshop Practical
VI	1.	Automotive Maintenance and Pollution Control	Automobile Engines
	2.	Computer Aided Design and Manufacturing *	Computer Aided Design and Manufacturing *
	3.	Elective Theory	
		1. Two & Three wheelers Technology	Two and Three Wheeler Technology
		2. Tractor and Farm Equipments	Tractor and Farm Equipments
	4.	Computer Aided design and Manufacturing Practical *	Computer Aided Design and Manufacturing Practical *

	5.	Elective Practical	
		1. Two & Three wheelers Technology Practical	Two and Three Wheeler Technology Practical
		2. Tractor and Farm Equipments Practical	Tractor and Farm Equipments Practical
	6.	Project work, Entrepreneurship, Environment and Disaster management	Project Work

Note: 1. * - Common with Mechanical Engineering

2. Where ever the scheme is not mentioned in brackets, it is under 'M' Scheme

MECHANICAL ENGINEERING (MTMR) (SW) -2022

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Electrical Maintenance, Controls & PLC	32044 Electrical Drives And Controls

AUTOMOBILE ENGINEERING -1021

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Automobile Technology III	32143 Automobile Engines

TOOL ENGINEERING -1022

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Advanced Production Technology	32232 – Manufacturing Technology
2.	G	Engineering Metrology	32233 – Engineering Metrology

REFRIGERATION & AIRCONDITIONING-1024

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Refrigeration and Air-Conditioning Drawing	No alternate Paper
2.	G	Refrigeration I	32451 – Refrigeration
3.	G	Air Conditioning I	32452 – Air conditioning

PRODUCTION ENGINEERING-1025

* common with V Mechanical Engineering

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Metrology & Statistical Quality Control (2553)	Total Quality Management (32071)* (common with V Mechanical Engg)
2.	J	Advanced Manufacturing Systems (4763)	Computer Aided Design and Manufacturing (32062)*
3.	K	Thermodynamics & Automobile Technology (12541)	Thermal Engineering (32141) (common with Automobile Engg)
4.	K	Metal Forming Process (12551)	Metal Forming Technology of VI Mechanical (Foundry) [39164]

METALLURGY-1026

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Fuels, Furnaces And Refractories	32633 – Allied Engineering

MECHANICAL ENGINEERING (DESIGN AND DRAFTING) -1029

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	G	Mechanics of Machines	32031 – Strength of Materials of III Mech
2.	G	Basics of Machine Design	32051 - Design of Machine Elements of V Mech
3.	G	Design of Jigs Fixtures Gauges and Press Tool	32042 – Special Machines of V Mech
4.	G	Machine Design and Drawing (WP)	32034 – Computer Application and CAD Practical of III Mech
5.	G	Design of Transmission System	32051 - Design of Machine Elements of V Mech
6.	G	Design of Transmission System (WP)	32034 – Computer Application and CAD Practical of III Mech

MECHANICAL ENGINEERING (TOOL AND DIE) -1220

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	G	Engineering Metrology	32233 – Engineering Metrology
2.	G	TQM	32071 – Total Quality Management of V Mechanical
3.	J	Theory of Metal Cutting And Cutting Tools	32243 – Tool Room Special Machines

MACHINE TOOL MAINTENANCE AND REPAIRS (SANDWICH) -2103

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	G	Lubrication Principles and Practice	39264 – Machine Tool Reconditioning and Overhauling
2.	G	Hydraulics Pneumatics Fluidics And Automation	39231 – Solid Mechanics and Fluid Power
3.	G	Metrology and Instrumentation	39253 – Engineering Metrology
4.	G	Industrial Equipment Maintenance	39254 – Maintenance of Machine Drive Elements
5.	G	Machine Tool Reconditioning and Overhauling	39264 – Machine Tool Reconditioning and Overhauling
6.	G	Electrical Maintenance Controls and PLC	32044 – Electrical Drives and Control

FOUNDRY TECHNOLOGY (SANDWICH) -2104

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Metal Forming Processes	39164 – Metal Forming Technology
2.	D	Casting Design and Inspection	39232 – Industrial Production Technology –I
3.	D	Hydraulics, Pneumatics, Elec. & Mech. Equipments	39231 – Solid Mechanics and Fluid Power
4.	G	Furnace and Moulding Materials Process	39163 – Foundry Mechanization and Fettling
5.	G	Foundry Mechanisation and PLC	39153 – Moulding Materials and Processes
6.	G	Metallurgy of Casting Metals	39133 – Physical Metallurgy

AGRICULTURAL TECHNOLOGY-1222

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Agricultural Extension (2372)	Sugarcane Crop Production (32381)
2.	J	Dairy Engineering (2383)	Post Harvest Technology (32371)
3.	K	Irrigation Engineering (12372)	Irrigation Engineering (32343)

AGRICULTURAL ENGINEERING-1023

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Tractor and Transmission System	32351 - Tractor and Its Power Units
2.	D	Farm Processing and Non-Conventional Energy Sources	32371 – Post Harvest Technology

CHEMICAL ENGINEERING (FT / SW) - 1076 /2079 & 2070

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	G	Fluid Mechanics	37042 – Momentum Transfer
2.	G	Heat Transfer	37051 – Heat Transfer
3.	G	Process Engineering And Economics	No Alternate Paper
4.	J	Momentum & Heat Transfer (7042)	37042 - Momentum Transfer
5.	J	Inorganic Chemical Technology (7043)	37043 - Inorganic Chemical Technology
6.	J	Computer Programming and Applications (7051)	30001 – Computer Applications Practical
7.	J	Organic Chemical Technology (7054)	37071 - Organic Chemical Technology
8.	K	Physical Chemistry (17041)	30014 – Engineering Chemistry – I
9.	K	Process Technology (17043)	37043 - Inorganic Chemical Technology

PETROCHEMICAL ENGINEERING - 1075

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	G	General Chemistry	37031 – Industrial Chemistry of III Chemical
2.	G	Oil Exploration And Refinery Fundamentals	37131 – Petroleum Refining
3.	G	Mechanical Operations	37041 – Mechanical Operations
4.	G	Process Engineering And Economics	No Alternate Paper
5.	J	Momentum & Heat Transfer (7042)	37042 - Momentum Transfer
6.	J	Computer Programming And Applications (7051)	30001 – Computer Applications Practical
7.	J	Co-Generation Processes (7163)	32052 – Thermal and Automobile Engineering of V Mechanical
8.	K	Process Utilities (17182)	37181 – Energy Resources and Safety Management

PETROCHEMICAL TECHNOLOGY - 1071

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Safety, Pollution and Organic Synthesis	37072 – Industrial Safety and Pollution Control of V Chemical
2.	D	Industrial Management	37561 – Plant Engineering Management of VI Polymer
3.	G	General Chemistry	37031 – Industrial Chemistry of III Chemical
4.	G	Oil Exploration and Refinery Fundamentals	37131 – Petroleum Refining
5.	G	Mechanical Operations	37041 – Mechanical Operations
6.	G	Process Engineering and Economics	No Alternate Paper

SUGAR TECHNOLOGY -1074

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	G	Mechanical Operations	37041 – Mechanical Operations of IV Chemical
2.	G	Industrial Management	37561 – Plant Engineering Management of VI Polymer
3.	J	Momentum & Heat Transfer (7042)	37042 - Momentum Transfer of IV Chemical
4.	J	Computer Programming and Applications (7051)	30001 – Computer Applications Practical

CERAMIC TECHNOLOGY- 2080

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	H	Elements of Ceramics	No Alternate Paper
2.	J	Computer Programming and Applications (7051)	30001 – Computer Applications Practical
3.	J	Ceramic Chemistry (8031)	38033 – Ceramic Raw Materials
4.	K	Materials Science(18033)	No Alternate Paper
5.	K	Abrasives(18071)	38082 - Special Ceramics
6.	K	Glass Technology (18062)	38071 – Glass Technology

PETROLEUM TECHNOLOGY- 1072

Sl.No.	Scheme	Name of the Subject	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Management of Maintenance	37561 – Plant Engineering Management of VI Polymer
2.	D	Business Management	No Alternate Paper
3.	G	General Chemistry	37031 – Industrial Chemistry of III Chemical
4.	G	Refinery Chemistry	No Alternate Paper
5.	G	Stoichiometry	37052 – Chemical Process Calculations of V Chemical
6.	G	Pollution Control And Safety	37561 – Plant Engineering Management of VI Polymer
7.	G	Refinery Unit Processes	37131 – Petroleum Refining of III Petrochemical
8.	G	Process Engineering and Economics	No Alternate Paper

MARINE ENGINEERING -1027

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in April 2020 Board Examinations.
1.	D	Engineering Mechanics and Material Science	32731 – Marine Strength of Materials and Fluid Mechanics
2.	D	Marine IC Engines	32752 – Marine Diesel Engine and Power Plant
3.	D	Communication Engineering	34042 – Communication Engineering of IV ECE
4.	D	Marine Engineering Design and Drawing	32051 – Design of Machine Elements of V Mechanical
5.	D	Computer Programming and Applications	30001 – Computer Applications Practical
6.	D	Marine Power Plant (Steam)	32752 – Marine Diesel Engine and Power Plant
7.	D	Marine Control Engineering and Automation	34253 - Control Engineering of V Inst. & Control Engg.
8.	J	Marine Engineering Design (2742)	32051 – Design of Machine Elements of V Mechanical
9.	J	Marine IC Engines (2752)	32752 – Marine Diesel Engine and Power Plant
10.	J	Marine Power plant (2753)	32752 – Marine Diesel Engine and Power Plant
11	K	Marine Welding Technology (12743)	32032 – Manufacturing Processes of III Mechanical
12	K	Shipping Practice (12751)	32733 – Ship Construction Technology

TEXTILE TECHNOLOGY (FT & SW) -1060 & 2060

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in April 2020 Board Examinations.
1.	J	Process Control in Spinning and Weaving (6082)	36082 - Process Control in Spinning
2.	J	Textile Machinery Control Systems (6083)	36081 – Maintenance of Textile Machineries
3.	K	Statistical Quality Control in Textiles (16072)	36082 – Process Control in Spinning
4.	K	Fabric Structure(16062)	36044 - Elementary Textile Design
5.	K	Textile Marketing and Merchandising(16082)	36671 - Apparel Merchandising of V sem Garment

TEXTILE PROCESSING -1061

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Weaving	36142 – Technology of Fabric Manufacture
2.	K	Textile Marketing and Merchandising(16082)	36671 - Apparel Merchandising of V Garment

MANMADE FIBRE TECHNOLOGY -1062

Sl.No.	Scheme	Name of the Subject	Relevant M scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Textile Testing	36051 - Textile Testing
2.	D	Synthetic and Blended Textile Processing	36143 – Dyeing of Manmade Fibre and Blends of IV Textile Processing
3.	D	Technology of Synthetic Fibre Manufacture	36253 – Synthetic Fibre Manufacture
4.	D	Technology of Advanced Weaving	36142 – Technology of Fabric Manufacture
5.	D	Technology of Blended Yarn Manufacture	36141 – Technology of Yarn Manufacture
6.	G	Basic Engineering for Textile Industry	36041 – Basic Engineering of IV Textile Tech
7.	G	Textured Yarn Technology	No Alternate Paper
8.	G	Production And Processing Of Blended Yarns An	No Alternate Paper
9.	J	Eco-Friendly Textiles & Garment Processing	36052 – Textile Wet Processing of V Textile Tech

TEXTILE DESIGNING AND WEAVING -1063

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1	D	Maintenance of Textile Machinery	36081 – Maintenance of Textile Machineries of VI Textile Tech.
2	D	Woven Design and Printing Screen Development	No Alternate Paper

TEXTILE MARKETING AND MANAGEMENT -1064

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Advertising and Sales Promotion	36482 – Textile Advertisement Management
2.	D	Office Management and Correspondence	No Alternate Paper
3.	D	Co-Operative Management	36453 – Export Marketing
4.	J	Production Management (6472)	36472 - Human Resource Development and Entrepreneurship
5.	J	Co-Operative Management (6483)	36453 - Export Marketing
6.	K	Modern Trends in Marketing (16482)	36482 - Textile Advertisement Management

GARMENT TECHNOLOGY -1066

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Computer Applications in Garment Technology	36664 – Fashion and Garment CAD Practical
2.	D	Clothing Machinery and Equipment	36643 – Clothing Machinery and Equipment
3.	G	Apparel Marketing	No Alternate Paper
4.	G	Pattern Grading	No Alternate Paper
5.	G	Pattern Drafting and Construction III	No Alternate Paper
6.	J	Creative Fashion Designing (6671)	36632 - Fashion Designing
7.	J	Hand Embroidery (6672)	36635 – Embroidery Practical
8.	J	Special Garments (6681)	36644 – Pattern Drafting and Construction – I
9.	J	Dress Designing - Ladies Wear (6682)	36653 - Pattern Drafting and Construction – II
10.	J	Interior Decoration (6683)	37881 - Interior Decoration of VI Fashion Tech.
11.	K	Handicrafts (16671)	No Alternate Paper
12.	K	Knit Wear Technology (16681)	36782 - Knitted Garment Construction of VI TT(Knitting)

KNITTING TECHNOLOGY -1067

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	General Textile Chemistry	36132 – Preparation for Textile Processing of III Text. Proc
2.	D	Knitted Clothing Technology	36782 – Knitted Garment Construction
3.	D	Inspection and Quality Control	36662 – Apparel Quality Control
4.	D	Industrial Management	36061 – Textile Management
5.	D	Garment Technology II	36662 – Apparel Quality Control
6.	D	Wet Processing of Knitted Goods	36052 – Textile Wet Processing
7.	G	Basic Engineering for Textiles	36041 – Basic Engineering of IV Text. Tech

TEXTILE TECHNOLOGY (KNITTING) -1068

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Advanced Warp Knitting (6772)	Warp Knitting and Hosiery Manufacture (36753)
2.	J	Garment Production Machinery and Equipment (6782)	Clothing Machinery and Equipments (36643)
3.	K	Modern Developments in Knitting (16772)	Advanced Weft Knitting (36744)
4.	K	Productivity and Quality Control in Apparel Manufacture (16781)	Apparel Quality Control (36662)
5.	K	Computer Applications in Apparel Manufacture (16782)	Apparel Production Planning and Control (36641)

APPAREL TECHNOLOGY -1069

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Knitwear Technology (6982)	36782 - Knitted Garment Construction of VI TT (Knitting)
2.	K	Industrial Clothing (16982)	36982 – Industrial Clothing

FASHION TECHNOLOGY -1223

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	K	Basics of Textiles (17831)	Fibre Science and Yarn Manufacture (36631)
2.	K	History of Costumes (17832)	Indian and Western Costumes(36672)
3.	K	Fashion Art And Design (17842)	Art of Sketching and Drawing (37832)
4.	K	Fashion Garment Development (17862)	Fashion Designing of III Garment (36632)
5.	J	Basics Of Garment Manufacture (7833)	Apparel Designing (36633)
6.	J	Garment Manufacture - III (Ladies Wear) (7862)	Pattern Drafting and Construction – II (36653)
7.	J	Apparel Production Planning And Control (7871)	Apparel Production Planning and Control (36641) IV Garment
8.	J	Fashion Business (7882)	Apparel Merchandising (36671)
9.	J	Knitwear Technology (7883)	Knitted Garment Construction of VI TT (Knitting)(36782)
10.	J	Fashion Photography (7884)	No Alternate Paper

TEXTILE TECHNOLOGY (DESIGN & WEAVING) – 1224

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Textile Machinery Control Systems \$ (6083)	36081 – Maintenance Of Textile Machinerics of VI Textile Tech.
2.	K	Textile Marketing and Merchandising(16082)	36671 – Apparel Merchandising of V Garment
3.	K	Process Control in Weaving (16371)	36381 - Modern Weaving Technology

TEXTILE TECHNOLOGY (MAN MADE FIBRE) -1225

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Eco-Friendly Textiles & Garment Processing (6283)	36052 - Textile Wet Processing of V Textile Tech.

APPLIED ARTS & CRAFTS (FASHION & APPAREL DESIGN) -1226

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Hand Embroidery Techniques (6542)	No Alternate Paper
2.	J	Garment Accessories and Ornamentation (6571)	36632 – Fashion Designing of III Garment
3.	J	Machine Embroidery (6583)	No Alternate Paper
4.	K	Fundamentals of Garment Manufacture (16532)	36633 - Apparel Designing
5.	K	Basics Of Textiles * (17831)	36631 - Fibre Science and Yarn Manufacture
6.	K	Applied Handicrafts (16571)	No Alternate Paper
7.	K	Fashion Business and Forecasting (16581)	36671 - Apparel Merchandising

SHUTTLELESS WEAVING – 1227

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in April 2020 Board Examinations.
1.	K	Textile Testing # (16051)	Textile Testing of V Textile Tech (36051)
2.	K	Process Control in Weaving # (16371)	Modern Weaving Technology of VI TT (D&W) (36381)
3.	K	Technical Textiles # (16372)	Technical Textile (36072) of V Text. Tech.
4.	K	Textile Management \$ (16061)	Textile Management (36061) of VI Text. Tech.
5.	K	Textile Marketing and Merchandising \$ (16082)	Apparel Merchandising (36671) of V Garment

HOME TEXTILES -1228

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	K	Textile Testing # (16051)	Textile Testing (36051) of V Textile Tech.
2.	K	Textile Management \$ (16061)	Textile Management (36061) of Text. Tech.

TEXTRONICS – 1229

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	K	Textile Management \$ (16061)	Textile Management (36061) of VI Textile Tech.

TEXTILE TECHNOLOGY (KNITTING & GARMENT) – 1230

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in April 2020 Board Examinations.
1.	K	Garment Production – I (16842)	Apparel Designing (36633)
2.	K	Garment Production – II (16852)	Pattern Drafting And Construction – I of IV Garment (36644)
3.	K	Advanced Knitting Technology(16881)	Advanced Weft Knitting (36744)

PLASTIC ENGINEERING

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Computer Programming And Applications (7051)	30001 – Computer Applications Practical

POLYMER TECHNOLOGY - 2074

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Industrial Management	37561 – Plant Engineering Management
2.	G	Hydraulics Engineering	No Alternate Paper
3.	G	Process Engineering and Economics	No Alternate Paper
4.	J	Computer Programming and Applications (7051)	30001 – Computer Applications Practical
5.	K	Rubber Materials(17551)	37542 - Polymeric Materials
6.	K	Footwear Technology(17581)	37552 - Rubber Processing and Product Manufacture
7.	K	Paints and Surface Coatings(17582)	No Alternate Paper

LEATHER TECHNOLOGY (SW) – 2101

Sl.No.	Scheme	Name of the Subject	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
1.	G	Introduction to Leather Manufacture	39032 – Basics of Leather Manufacture (M Scheme)
2.	G	General Engineering	No Alternate Paper
3.	G	Fabrication Theory (Leather Goods And Garment)	39064 - Leather Product Fabrication (M Scheme)
4.	H	Dairy Writing	No Alternate Paper
5.	J	Principles of Management And Organization (9034)	39071 – Industrial Management and Entrepreneurship (M Scheme)
6.	K	Computer Applications In Leather Industry (19034)	No Alternate Paper
7.	K	Leather Bio-Technology (19035)	39031 – Applied Leather Chemistry (M Scheme)
8.	K	Newer Concepts In Leather Processing (19036)	No Alternate Paper

LEATHER TECHNOLOGY [FOOTWEAR] (SW) – 2106

Sl.No.	Scheme	Name of the Subject	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Costing & Quality Control	No Alternate Paper
2.	J	Industrial Organisation and Management	39071 – Industrial Management and Entrepreneurship of VII Leather (M Scheme)
3.	J	Safety in Footwear Industry (9331)	39044 – Safety in Leather Industry of IV Leather (M Scheme)
4.	J	Modern Footwear Styling(9332)	No Alternate Paper
5.	J	Computer Applications in Footwear Technology (9371)	19034 – Computer Applications in Leather Industry (K Scheme)

FOOTWEAR TECHNOLOGY (SANDWICH) -2105

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Technical Report	No Alternate Paper
2.	D	Final Assessment	No Alternate Paper
3.	G	Introduction To Footwear Manufacture	No Alternate Paper
4.	G	Drawing	No Alternate Paper
5.	H	General Engineering	No Alternate Paper
6.	H	Mechanics Of Machines	No Alternate Paper
7.	H	Electrical And Electronics Engineering	32044 – Electrical Drives and Control of IV MECH
8.	H	Accounting And Costing	No Alternate Paper

ELECTRICAL ENGINEERING (INSTRUMENTS & CONTROL)

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in April 2020 Board Examinations.
1.	G	Digital Electronics and Microprocessor	34043 – Digital Electronics
2.	G	Control and Maintenance of Electrical Machine	33071 – Control of Electrical Machines
3.	G	Fibre Optics Instrumentation [Et-II]	34233 – Basics of Instrumentation

COMPUTER TECHNOLOGY / COMPUTER SCIENCE & ENGG.-1050 & 1051)

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in April 2020 Board Examinations.
1.	D	Microprocessor Based System Design	34052 – Microcontroller Of V ECE
2.	D	Organisational Study And Entrepreneurship	No Alternate Paper
3.	G	Microprocessors	34052 – Microcontroller Of V ECE
4.	G	Visual Basic Programming	No Alternate Paper
5.	G	Power Builder	No Alternate Paper
6.	G	Desk Top Publishing	No Alternate Paper
7.	G	Cobol Programming	No Alternate Paper

COMPUTER NETWORKING-1053

Sl.No.	Scheme	Name of the Subject	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
1.	K	Embedded Systems -15072	No Alternate Paper
2.	K	TCP / IP Networking -15352	35262 – Mobile Computing (M Scheme)
3.	K	Network Operating Systems-15361	25265 – System Administration Practical (L Scheme)
4.	K	Wireless Networks -15382	35356 – Wireless Networks Practical (M Scheme)

MECHATRONICS / ELECTRONICS (ROBOTICS)

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	G	Computer Integrated Manufacture	32062 – Computer Aided Design and Manufacturing of VI Mechanical Engg
2.	J	Electrical Drives and Controls (4742)	32044 – Electrical Drives & Control of IV Mechanical Engg
3.	J	Theory of Mechatronics (4761)	No Alternate Paper
4.	J	Advanced Manufacturing Systems (4763)	32062 – Computer Aided Design and Manufacturing of VI Mechanical Engg

ELECTRONICS AND INSTRUMENTATION ENGINEERING

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in April 2020 Board Examinations.
1.	D	Mathematics	30012 - Engineering Mathematics – I of I Year Engg.
2.	G	Fibre Optics Instrumentation	34233 - Basics of Instrumentation of III ICE
3.	G	Microprocessor and Its Applications	34043 - Digital Electronics of IV ECE

INSTRUMENTATION AND CONTROL ENGINEERING

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Mathematics	30012 - Engineering Mathematics – I of I Year Engg.
2.	D	Instrumentation Drawing	No Alternate Paper
3.	G	Digital Electronics and Microprocessor	34043 - Digital Electronics of IV ECE
4.	G	Fibre Optics Instrumentation [ET-I]	34233 – Basics of Instrumentation
5.	G	Industrial Safety Instrumentation	34244 – Industrial Instrumentation
6.	J	C++ Programming	35233 – C Programming of Computer Engg.
7.	J	Servicing of Equipments	No Alternate Paper
8.	J	Industrial Safety	34244 – Industrial Instrumentation
9.	J	Computer Based Process Control	34262 – Industrial Automation and Drives
10.	K	Computer Networks	35242 – Computer Networks and Security of IV Computer Engg.

ELECTRONICS ENGINEERING (INSTRUMENTATION)

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Mathematics	30012 - Engineering Mathematics – I of I Year Engg.
2.	G	Micro Electronics	34043 - Digital Electronics of IV ECE
3.	G	Microprocessor and Its Applications	34043 - Digital Electronics of IV ECE
4.	G	Fibre Optics Instrumentation [Et-II]	34233 - Basics Of Instrumentation of III ICE
5.	G	Environmental Instrumentation [Et-II]	No Alternate Paper

INSTRUMENTATION TECHNOLOGY

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Mathematics	30012 - Engineering Mathematics – I of I Year Engg.
2.	D	Material Science and Fluid Mechanics	32682 – Materials Technology of VI Metallurgy
3.	D	Instrumentation Drawing	No Alternate Paper
4.	G	Digital Electronics and Microprocessor	34043 – Digital Electronics of IV ECE
5.	G	Robotics	32082 – Robotics of VI MECH
6.	G	Fibre Optic Instrumentation	34233 – Basics of Instrumentation of III ICE
7.	G	Alternate Energy Sources	32073 – Renewable Energy Sources and Energy Conservation Of V MECH

ELECTRONICS (WSI)

Sl.No.	Scheme	Name of the Subject	Relevant papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Mathematics	30012 - Engineering Mathematics – I of I Year Engg. (M Scheme)
2.	D	Organisational Study and Entrepreneurship	No Alternate Paper
3.	D	Electronic Instruments Servicing	No Alternate Paper
4.	D	PCB Design & Technology	4071 – Surface Mount Technology of V ECE (J Scheme)
5.	D	Fabrication of Electronic Equipment	34073 – Electronic System Design of VI ECE (M Scheme)
6.	G	Micro Electronics	34043 – Digital Electronics Of IV ECE (M Scheme)
7.	G	Fibre Optics Instrumentation [Et-I]	34233 – Basics Of Instrumentation of III ICE (M Scheme)
8.	G	Microprocessor and Applications	34043 - Digital Electronics Of IV ECE (M Scheme)
9.	G	Environmental Instrumentation	No Alternate Paper

CIVIL ENGINEERING (ARCHITECTURE) - 1011

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	G	Perspective Drawing and Sciography	31246 - Architectural Drawing – II Practical
2.	G	Rural Engineering	31052 – Environmental Engineering and Pollution Control of V Civil Engineering

ARCHITECTURAL ASSISTANTSHIP (FT & SW) -1012 / 2102

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	D	Structural Detailing And Drawing	31264 – Structural Detailing and Drawing Practical
2.	D	Architectural Rendering	No alternate Paper

PRINTING TECHNOLOGY -1202

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	G	Science For Printers	30013 – Engineering Physics - I of I Year Engineering
2.	G	Basic Engineering	37033 – Electrical and Electronics Engineering of III Chemical
3.	J	Film Assembly And Platemaking	38233 – Image Processing
4.	J	Colour Separation	38251 – Digital Prepress
5.	J	Designing Softwares	38255 – Digital Prepress Practical
6.	K	Advertising In Print Media	No Alternate Paper

COMMERCIAL PRACTICE -1080

Sl.No.	Scheme	Name of the Subject	Relevant M Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1	C	Type Writing English	38154 – Type writing English Senior Paper I
2	G	Type Writing English	38154 – Type writing English Senior Paper I
3	G	Computers In Business Applications	38117 – Office Automation Lab
4	G	Indian Economy	No Alternate Paper
5	G	Business Statistics	38134 – Business Statistics
6	G	Auditing	38192 – Auditing
7	G	Cost Accountancy	38143 – Cost Accounting

MODERN OFFICE PRACTICE -1081

Sl.No.	Scheme	Name of the Subject	Relevant L Scheme papers in which the candidate has to write in December 2020 Board Examinations.
1.	J	Marketing & Sales Organisation – I	No Alternate Paper
2.	J	Elements Of Tamil Sh Junior (70 WPM)	No Alternate Paper
3.	J	Marketing & Sales Organisation-II	No Alternate Paper
4.	J	Sh Tamil Senior - I Paper	No Alternate Paper
5.	J	Sh Tamil Senior - II Paper Dict, Cond, Elabor	No Alternate Paper
6.	J	Computers In Business Applications Theory I	No Alternate Paper
7.	J	Business Management	No Alternate Paper
8.	J	Sh English Inter - I Paper	No Alternate Paper
9.	J	Sh English Inter - II Paper Dictation (100 WPM)	No Alternate Paper
10.	J	Sh English Inter - II Paper Elabor	No Alternate Paper
11.	K	Business Organisation	No Alternate Paper
12.	K	Visual Basic	28145 – Visual Basic Lab
13.	K	Banking – II	No Alternate Paper
14.	K	Business Law – II	No Alternate Paper
15.	K	Elements of Shorthand - Tamil	No Alternate Paper