

## FIRST YEAR

### REVISED REGULATION (1985-1989)

SEM	S.NO	Revised Regulation (RR) (Implementing academic year 1985-86)	Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.
<b>I Year</b>	1.	English-I	Communication English – II
	2.	English-II	Communication English – II
	3.	Mathematics – I	Engineering Mathematics -I
	4.	Mathematics – II	Engineering Mathematics-III
	5.	Physics	Engineering Physics – II
	6.	Chemistry	Engineering Chemistry – II
	7.	Technical Drawing	Engineering Graphics -II
	8.	Physics Practical	Physics Practical ( <b>K Scheme</b> )
	9.	Chemistry Practical	Chemistry Practical ( <b>K Scheme</b> )
	10.	Workshop	Workshop Practice ( <b>K Scheme</b> )

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

**‘ C ‘ SCHEME (1988 – 1993)**

<b>SEM</b>	<b>S.NO</b>	<b>Revised Scheme (RS) ( C Scheme) (Implementing academic year 1988-89)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>I Year</b>	1.	English-I	Communication English – II
	2.	English-II	Communication English – II
	3.	Mathematics – I	Engineering Mathematics -I
	4.	Mathematics – II	Engineering Mathematics-III
	5.	Physics	Engineering Physics – II
	6.	Chemistry	Engineering Chemistry – II
	7.	Technical Drawing	Engineering Graphics -II
	8.	Physics Practical	Physics Practical ( <b>K Scheme</b> )
	9.	Chemistry Practical	Chemistry Practical ( <b>K Scheme</b> )
	10.	Workshop	Workshop Practice ( <b>K Scheme</b> )

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

**‘D’ SCHEME (1992 – 2000)**

<b>SEM</b>	<b>S.NO</b>	<b>New Scheme (NS) [D Scheme] (Implementing academic year 1992-93)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>I Year</b>	1.	English-I	Communication English – II
	2.	English-II	Communication English – II
	3.	Mathematics – I	Engineering Mathematics -I
	4.	Mathematics – II	Engineering Mathematics-III
	5.	Physics	Engineering Physics – II
	6.	Chemistry	Engineering Chemistry – II
	7.	Technical Drawing	Engineering Graphics -II
	8.	Physics Practical	Physics Practical ( <b>K Scheme</b> )
	9.	Chemistry Practical	Chemistry Practical ( <b>K Scheme</b> )
	10.	Workshop	Workshop Practice ( <b>K Scheme</b> )

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

**‘G’ SCHEME ( 1999-2004)**

<b>SEM</b>	<b>S.NO</b>	<b>G Scheme (Implementing academic year 1999-2000)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>I Year</b>	1.	English	Communication English – II
	2.	Basics of Computer Science	Basics of Computer Science ( <b>J Scheme</b> )
	3.	Mathematics – I	Engineering Mathematics -I
	4.	Mathematics – II	Engineering Mathematics-III
	5.	Physics	Engineering Physics – II
	6.	Chemistry	Engineering Chemistry – II
	7.	Technical Drawing	Engineering Graphics -II
	8.	Physics Practical	Physics Practical ( <b>K Scheme</b> )
	9.	Chemistry Practical	Chemistry Practical ( <b>K Scheme</b> )
	10.	Workshop	Workshop Practice ( <b>K Scheme</b> )

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

**‘ J ‘ SCHEME ( 2003 – 2008 )**

<b>SEM</b>	<b>S.NO</b>	<b>J Scheme (Implementing academic year 2003-04)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>I Year</b>	1.	English	Communication English – II
	2.	Basics of Computer Science	Basics of Computer Science ( <b>J Scheme</b> )
	3.	Mathematics – I	Engineering Mathematics -I
	4.	Mathematics – II	Engineering Mathematics-III
	5.	Applied Physics	Engineering Physics – II
	6.	Applied Chemistry	Engineering Chemistry – II
	7.	Technical Drawing	Engineering Graphics -II
	8.	Applied Physics Practical	Physics Practical ( <b>K Scheme</b> )
	9.	Applied Chemistry Practical	Chemistry Practical ( <b>K Scheme</b> )
	10	Workshop	Workshop Practice ( <b>K Scheme</b> )
	11.	English Communication Practical	IV / V Sem. Communication Skills in English – Practical( <b>K Scheme</b> )

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

**‘K’ SCHEME ( 2007 – 2011)**

<b>SEM</b>	<b>S.NO</b>	<b>K Scheme (Implementing academic year 2007-08)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>I</b>	1.	Communication English -I	Communication English -I
	2.	Mathematics	Engineering Mathematics-I
	3.	Engineering Physics-I	Engineering Physics-I
	4.	Engineering Chemistry-I	Engineering Chemistry-I
<b>II</b>	1.	Communication English -II	Communication English -II
	2.	Applied Mathematics	Engineering Mathematics-III
	3.	Engineering Physics-II	Engineering Physics-II
	4.	Engineering Chemistry-II	Engineering Chemistry-II
	5.	Engineering Graphics	Engineering Graphics -II
	6.	Physics Practical	Physics Practical ( <b>K Scheme</b> )
	7.	Chemistry Practical	Chemistry Practical ( <b>K Scheme</b> )
	8.	Computer Application	Computer Application ( <b>K Scheme</b> )
	9.	Workshop Practice	Workshop Practice

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

**CIVIL ENGINEERING  
REVISED REGULATION (1985- 1989 )**

<b>SEM</b>	<b>S.NO</b>	<b>Revised Regulation (RR) ( I year Admission 1985-86)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Engineering Mechanics	Engineering Mechanics
	2.	Construction Materials & Practice	Construction Materials & Practice
	3.	Transportation Engineering	Transportation Engineering
	4.	Civil Engineering Drawing I	Civil Engineering Drawing I
	5.	Materials Testing Lab	Materials Testing Lab Practice-I
	6.	Transportation Engineering Lab	CAD in Civil Engineering Drawing Practice-I
<b>IV</b>	1.	Hydraulics & Irrigation Engineering	Hydraulics
	2.	Survey Theory I	Surveying
	3.	Introduction to Computer Programming	Basics of Computer Science ( <b>J Scheme</b> )
	4.	Quantity Surveying I	Quantity Surveying
	5.	Hydraulics Lab	Hydraulics & Plumbing Lab Practice
	6.	Survey Practical-I	Survey Practice-I
<b>V</b>	1.	Structural Engineering	Structural Engineering
	2.	Environmental Engineering	Environmental Engineering
	3.	Survey Theory II	Surveying
	4.	Civil Engineering Drawing II	CAD in Civil Engineering Drawing Practice-II
	5.	Environmental Engineering Lab	Environmental Engineering Lab ( <b>D Scheme</b> )
	6.	Survey Practical II	Survey Practice-I
<b>VI</b>	1.	Mechanics of Structures	Theory of Structures
	2.	Construction Management	Construction Management with MIS
	3.	Elective Theory	
		1. Building Technology & Services	Structural Engineering
		2. Concrete Structure & Technology	Structural Engineering
		3. Industrial Structures	Industrial Structures ( <b>C Scheme</b> )
	4.	Quantity Surveying-II	Quantity Surveying
	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 'K' Scheme**

**‘C’ SCHEME (1988-1993)**

<b>SEM</b>	<b>S.NO</b>	<b>Revised Scheme (RS) [ C Scheme] ( I year Admission 1988-89)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Engineering Mechanics	Engineering Mechanics
	2.	Construction Materials & Practice	Construction Materials & Practice
	3.	Transportation Engineering	Transportation Engineering
	4.	Civil Engineering Drawing I	Civil Engineering Drawing I
	5.	Materials Testing Lab	Materials Testing Lab Practice-I
	6.	Transportation Engineering Lab	CAD in Civil Engineering Drawing Practice-I
<b>IV</b>	1.	Hydraulics & Irrigation Engineering	Hydraulics
	2.	Survey Theory I	Surveying
	3.	Introduction to Computer Programming	Basics of Computer Science ( <b>J Scheme</b> )
	4.	Quantity Surveying I	Quantity Surveying
	5.	Hydraulics Lab	Hydraulics & Plumbing Lab Practice
	6.	Survey Practical-I	Survey Practice-I
<b>V</b>	1.	Structural Engineering	Structural Engineering
	2.	Environmental Engineering	Environmental Engineering
	3.	Survey Theory II	Surveying
	4.	Civil Engineering Drawing II	CAD in Civil Engineering Drawing Practice-II
	5.	Environmental Engineering Lab	Environmental Engineering Lab ( <b>D Scheme</b> )
	6.	Survey Practical II	Survey Practice-I
<b>VI</b>	1.	Mechanics of Structures	Theory of Structures
	2.	Construction Management	Construction Management with MIS
	3.	Elective Theory	
		1. Building Technology & Services	Structural Engineering
		2. Concrete Structure & Technology	Structural Engineering
		3.Industrial Structures	Industrial Structures ( <b>C Scheme</b> )
	4.	Quantity Surveying-II	Quantity Surveying
	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 ‘K’ Scheme**

**‘D’ SCHEME ( 1992- 2000)**

<b>SEM</b>	<b>S.NO</b>	<b>New Scheme (NS) [ D Scheme ] ( I year Admission 1992-93)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Engineering Mechanics & Graphic Statics	Engineering Mechanics
	2.	Construction Materials & Practice	Construction Materials & Practice
	3.	Surveying & Leveling	Surveying
	4.	Building Drawing	Civil Engineering Drawing I
	5.	Engineering Mechanics Lab	Material Testing Lab Practice-I
	6.	Surveying Practical	Surveying Practice-I
<b>IV</b>	1.	Hydraulics & Irrigation	Hydraulics
	2.	Transportation Engineering	Transportation Engineering
	3.	Theodolite Surveying	Surveying
	4.	Transportation Engineering Lab	CAD in Civil Engineering Drawing Practice-II
	5.	Hydraulics Lab	Hydraulics & Plumbing Lab Practice
	6.	Survey Practical II	Survey Practice II
<b>V</b>	1.	Structural Engineering	Structural Engineering
	2.	Environmental Engineering & Pollution Control	Environmental Engineering
	3.	Construction Management & Entrepreneurship	Construction Management with MIS
	4.	Irrigation & P.H.Drawing	CAD in Civil Engineering Drawing Practice-II
	5.	Environmental Engineering lab	Environmental Engineering lab <b>( D Scheme)</b>
	6.	Concrete & Construction Lab	Construction lab Practice
<b>VI</b>	1.	Mechanics of Structures	Theory of Structures
	2.	Computer Programming & Applications	Basics of Computer Science( <b>J Scheme</b> )
	3.	Estimating & Costing	Quantity Surveying
	4.	Structural Drawing & Detailing	CAD in Civil Engineering Drawing Practice-II
	5.	Computer Programming & Applications Lab	Computer Application in Civil Engineering
	6.	Project work	Project work

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

**‘G’ SCHEME (1999- 2004)**

<b>SEM</b>	<b>S.NO</b>	<b>G Scheme ( I year Admission 1999-2000)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Engineering Mechanics	Engineering Mechanics
	2.	Construction Materials &Practice	Construction Materials &Practice
	3.	Surveying-I	Surveying
	4.	Civil Engineering Drawing-I	Civil Engineering Drawing-I
	5.	Material testing Lab	Material testing Lab Practice-I
	6.	Surveying Practice-I	Surveying Practice-I
<b>IV</b>	1.	Hydraulics	Hydraulics
	2.	Rods & Railways Engineering	Transportation Engineering
	3.	Surveying-II	Surveying
	4.	Quantity Surveying & Costing-I	Quantity Surveying
	5.	Hydraulics & Plumbing Lab	Hydraulics & Plumbing Lab Practice
	6.	Surveying Practice-II	Surveying Practice-II
<b>V</b>	1.	Structural Engineering	Structural Engineering
	2.	Environmental Engineering & Pollution Control	Environmental Engineering
	3.	Elective Theory-I	
		1.Irrigation Engineering	Water Resource Management
		2.Building Services	Building Services ( <b>G Scheme</b> )
		3.Town Planning	Town Planning
		4.Rural Engineering Technology	Rural Engineering Technology ( <b>G Scheme</b> )
	4.	Civil Engineering Drawing-II	CAD in Civil Engineering Drawing Practice-II
	5.	Computer Application in Civil Engineering	Computer Application in Civil Engineering
	6.	Material Testing Lab-II	Material Testing Lab Practice-II
<b>VI</b>	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 Mechanism & Foundation Engineering ( <b>J Scheme</b> )
		2.Steel Timber & Masonry Structures	Steel Timber & Masonry Structures ( <b>G Scheme</b> )
		3.Advanced Surveying	Advanced Surveying ( <b>G Scheme</b> )
		4.Advanced Construction	Concrete Technology & Advanced Construction
	4.	Quantity Surveying & Costing II	Quantity Surveying
	5.	Construction Practice Lab	Construction Lab Practice
	6.	Project Work	Project Work

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

**‘J’ SCHEME (2003- 2008)**

<b>SEM</b>	<b>S.NO</b>	<b>J Scheme ( I year Admission 2003-04)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Engineering Mechanics	Engineering Mechanics
	2.	Construction Materials &Practice	Construction Materials &Practice
	3.	Surveying-I	Surveying
	4.	Civil Engineering Drawing-I	Civil Engineering Drawing-I
	5.	Material testing Lab	Material testing Lab Practice-I
	6.	Surveying Practice-I	Surveying Practice-I
<b>IV</b>	1.	Theory of Structures	Theory of Structures
	2.	Hydraulics	Hydraulics
	3.	Transportation Engineering	Transportation Engineering
	4.	Hydraulics Lab Practice	Hydraulics & Plumbing Lab Practice
	5.	CAD in Civil Engineering Drawing	CAD in Civil Engineering Drawing Practice I
	6.	Surveying Practice-II	Surveying Practice-II
<b>V</b>	1.	Structural Engineering	Structural Engineering
	2.	Estimating & Costing	Quantity Surveying
	3.	Elective Theory-I	
		1. Elements of Interior Design	Elements of Interior Design
		2.Advanced Construction Technology	Concrete Technology & Advanced Construction
		3.Soil Mechanics & Foundation Engineering	Soil Mechanics &Foundation Engineering <b>(J Scheme)</b>
4.	Civil Engineering Drawing-II	CAD in Civil Engineering Drawing Practice-II	
5.	Computer Application in Civil Engineering	Computer Application in Civil Engineering	
6.	Material Testing Lab Practice-II	Material Testing Lab Practice-II	
<b>VI</b>	1.	Construction Management & Entrepreneurship	Construction Management with MIS
	2.	Environmental Engineering & Pollution Control	Environmental Engineering
	3.	Elective Theory II	
		1.Irrigation Engineering	Water Resource Management
		2.Town planning	Town planning
		3.Advanced RC Concrete Structure	Structural Engineering
4.	Environmental Engineering Lab Practice	Construction lab Practice	
5.	Construction lab Practice	Construction lab Practice	
6.	Project Work	Project Work & Entrepreneurship	

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

# MECHANICAL ENGINEERING

## REVISED REGULATION (1985-1989)

SEM	S.NO	Revised Regulation (RR) ( I year Admission 1985-86)	Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.
<b>III</b>	1.	Engineering Mechanics	Mechanics of materials
	2.	Production Technology-I	Manufacturing Processes
	3.	Heat Power Engineering-I	Applied Thermodynamics
	4.	Machine Drawing	Machine Drawing CAD
	5.	Engineering Mechanics Lab	Mechanics of Materials & Fluid Mechanics Lab
	6.	Workshop(Foundry & Welding)	Workshop-I(Smithy, Foundry & Welding)
<b>IV</b>	1.	Fluid Mechanics & Machines	Fluid Mechanics & Fluid Power
	2.	Material science	Manufacturing Processes
	3.	Electrical & Electronics Engineering	Electrical & Electronics Engineering
	4.	Machine Design & Drawing	Machine drawing CAD
	5.	Fluid Mechanics & Machines Lab	Mechanics of Materials & Fluid Mechanics Lab
	6.	Electrical & Electronics lab	Electrical & Electronics Engineering Lab ( <b>D Scheme</b> )
<b>V</b>	1.	Heat Power Engineering II	Applied Thermodynamics
	2.	Production Technology II	Machine Shop Technology
	3.	Introduction to Computer Programming	Basics of Computer Science( <b>J Scheme</b> )
	4.	Heat Power Engineering Lab	Thermodynamics Lab
	5.	Workshop, Lathe Work	Workshop II(Turning, Drilling & Shaping)
	6.	Special Machines I	Workshop III (Slotting, Planning, Milling, Grinding & CNC Machine)
<b>VI</b>	1.	Industrial Management	Industrial Engineering & Management
	2.	Production Technology III	Machine Shop Technology
	3.	Elective Theory	
		1.Automobile Technology	Automobile Technology
		2.Refrigeration & Air conditioning	Refrigeration & Air conditioning
		3.Metallurgy	Metallurgy of Foundry(SW)
		4.Machine Shop Technology	Machine Shop Technology
		5.Welding Technology	Welding Technology ( <b>J Scheme</b> )
		6.Agriculture & Farm Equipment Technology	Farm Equipment Technology ( <b>J Scheme</b> )
		7.Machine Design & Drafting	Machine Design & Drafting ( <b>D Scheme</b> )
	4.	Elective Practical	Elective Practical
	5.	Workshop Special Machines –II	Workshop Special Machines –II ( <b>D Scheme</b> )
6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management	

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

**‘C’ SCHEME (1988- 1993)**

<b>SEM</b>	<b>S.NO</b>	<b>Revised Scheme(RS) [ C SCHEME ] ( I year Admission 1988-89)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Engineering Mechanics	Mechanics of materials
	2.	Production Technology-I	Manufacturing Processes
	3.	Heat Power Engineering-I	Applied Thermodynamics
	4.	Machine Drawing	Machine Drawing CAD
	5.	Engineering Mechanics Lab	Mechanics of Materials & Fluid Mechanics Lab
	6.	Workshop(Foundry & Welding)	Workshop-I(Smithy, Foundry & Welding)
<b>IV</b>	1.	Fluid Mechanics & Machines	Fluid Mechanics & Fluid Power
	2.	Material science	Manufacturing Processes
	3.	Electrical & Electronics Engineering	Electrical & Electronics Engineering
	4.	Machine Design & Drawing	Machine drawing CAD
	5.	Fluid Mechanics & Machines Lab	Mechanics of Materials & Fluid Mechanics Lab
	6.	Electrical & Electronics lab	Electrical & Electronics Engineering Lab <b>(D Scheme)</b>
<b>V</b>	1.	Heat Power Engineering II	Applied Thermodynamics
	2.	Production Technology II	Machine Shop Technology
	3.	Introduction to Computer Programming	Basics of Computer Science( <b>J Scheme</b> )
	4.	Heat Power Engineering Lab	Thermodynamics Lab
	5.	Workshop, Lathe Work	Workshop II(Turning, Drilling & Shaping)
	6.	Special Machines I	Workshop III (Slotting, Planning, Milling, Grinding & CNC Machine)
<b>VI</b>	1.	Industrial Management	Industrial Engineering & Management
	2.	Production Technology III	Machine Shop Technology
	3.	Elective Theory	
		1.Automobile Technology	Automobile Technology
		2.Refrigeration & Air conditioning	Refrigeration & Air conditioning
		3.Metallurgy	Metallurgy of Foundry(SW)
		4.Machine Shop Technology	Machine Shop Technology
		5.Welding Technology	Welding Technology ( <b>J Scheme</b> )
		6.Agriculture & Farm Equipment Technology	Farm Equipment Technology ( <b>J Scheme</b> )
		7.Machine Design & Drafting	Machine Design & Drafting ( <b>D Scheme</b> )
	4.	Elective Practical	Elective Practical
	5.	Workshop Special Machines –II	Workshop Special Machines –II <b>(D Scheme)</b>
6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management	

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

**‘D’ SCHEME (1992- 2000)**

<b>SEM</b>	<b>S.NO</b>	<b>New Scheme (NS) [ D Scheme] ( I year Admission 1992-93)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Mechanics of Materials	Mechanics of Materials
	2.	Manufacturing Process	Manufacturing Process
	3.	Fluid Mechanics & Machines	Fluid Mechanics & Fluid Power
	4.	Machine Design & Drawing – I	Machine Drawing CAD
	5.	Mechanics of Materials lab & Fluid Mechanics & Machines	Mechanics of Materials & Fluid Mechanics Lab
	6.	Workshop-Foundry & Welding	Workshop I (Smithy, Foundry &Welding)
<b>IV</b>	1.	Heat Power Engineering	Applied Thermodynamics
	2.	Machine Tool Technology	Machine Shop Technology
	3.	Electrical & Electronics Engineering	Electrical & Electronics Engineering
	4.	Machine Design & Drawing II	Machine Drawing CAD
	5.	Workshop Lathe Work	Workshop II(Turning, Drilling & Shaping)
	6.	Electrical & Electronics lab	Electrical & Electronics Engineering Lab <b>(D Scheme)</b>
<b>V</b>	1.	Thermal Power Engineering	Applied Thermodynamics
	2.	Industrial Engineering	Industrial Engineering & Management
	3.	Computer Programming &Applications	Basics of Computer Science( <b>J Scheme</b> )
	4.	Thermal Power Engineering Lab	Thermodynamics Lab
	5.	Computer Programming & Drafting Lab	Computer Programming & Drafting Lab <b>(D Scheme)</b>
	6.	Workshop Special machines I	Workshop III (Slotting, Planning, Milling, Grinding & CNC Machine)
<b>VI</b>	1.	Industrial Management	Industrial Engineering & Management
	2.	Modern Production Process	Machine Shop Technology
	3.	Elective Theory	
		1.Automobile Technology	Automobile Technology
		2.Machine Shop Technology	Machine Shop Technology
		3.Hydraulics & Pneumatic Power System	Hydraulics & Pneumatic Power System <b>(D Scheme)</b>
		4.Refrigeration & Air conditioning	Refrigeration & Air conditioning
		5.Machine Design & Drafting	Machine Design & Drafting <b>(D Scheme)</b>
	4.	Elective Practical	
	5.	Workshop Special Machines II	Workshop Special Machines II( <b>D Scheme</b> )
6.	Project work	Project Work, Entrepreneurship, Environment & Disaster Management	

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

**‘G’ SCHEME (1999 -2004)**

<b>SEM</b>	<b>S.NO</b>	<b>G Scheme ( I year Admission 1999-2000)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Mechanics of Materials	Mechanics of Materials
	2.	Manufacturing Processes	Manufacturing Process
	3.	Fluid Mechanics & Fluid Power	Fluid Mechanics & Fluid Power
	4.	Machine Drawing I	Machine Drawing CAD
	5.	Mechanics of Materials & Fluid Mechanics Lab	Mechanics of Materials & Fluid Mechanics Lab
	6.	Workshop I (Smithy, Foundry & Welding)	Workshop I (Smithy, Foundry &Welding)
<b>IV</b>	1.	Applied Thermodynamics	Applied Thermodynamics
	2.	Machine Shop Technology	Machine Shop Technology
	3.	Electrical & Electronics Engineering	Electrical & Electronics Engineering
	4.	AutoCAD Lab	Machine Drawing CAD
	5.	Electrical & Electronics Engineering Lab	Electrical & Electronics Engineering Lab
	6.	Workshop II (Lathe & Metrology)	Workshop II(Turning, Drilling & Shaping)
<b>V</b>	1.	Design of Machine Elements	Design of Machine Elements
	2.	CAD/CAM	Computer Aided Design & Manufacturing
	3.	Elective Theory I	
		1.Jigs,Fixtures & Gauges	Jigs, Fixtures & Gauges ( <b>G Scheme</b> )
		2.Refrigeration & Air conditioning	Refrigeration & Air conditioning
		3.Welding Technology	Welding Technology ( <b>J Scheme</b> )
		4.Metrology &Machine Tool Testing	Metrology, Machine Tool Maintenance & Testing
		5.Plastic Engineering	Plastic Engineering ( <b>J Scheme</b> )
		6.Press Tools	Press Tools ( <b>G Scheme</b> )
		7.Tool Engineering	Tool Engineering ( <b>G Scheme</b> )
	4.	CAD/CAM Lab	Computer Aided Design & Manufacturing Practical
	5.	Elective Practical-I	
	6.	Workshop III (Planner, Slotter, Shaper etc)	Workshop III (Slotting, Planning, Milling, Grinding & CNC Machine)
<b>VI</b>	1.	Industrial Engineering & Management	Industrial Engineering & Management
	2.	Automobile Technology	Automobile Technology
	3.	Elective Theory II	
		1.C++ Programming	C++ Programming of Electrical & Electronics Engineering( <b>J Scheme</b> )
		2.Farm Equipment Technology	Farm Equipment Technology( <b>J Scheme</b> )
		3.Foundry Technology	Foundry Technology of Foundry(SW)
		4.Metallurgy	Metallurgy of Foundry(SW)
		5.TQM	TQM ( <b>G Scheme</b> )
		6.Robotics	Robotics & Auto Electronics of Electronics & Communication Engineering
		7.Process Planning & Cost Estimation	Process Planning & Cost Estimation ( <b>G Scheme</b> )
	4.	Auto & Thermal Lab	Thermodynamics Lab
	5.	Elective Practical II	Elective Practical II
	6.	Project Work & Seminar	Project Work, Entrepreneurship, Environment & Disaster Management

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

**‘J’ SCHEME (2003- 2008)**

<b>SEM</b>	<b>S.NO</b>	<b>J Scheme ( I year Admission 2003-04)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Mechanics of Materials	Mechanics of Materials
	2.	Manufacturing Processes	Manufacturing Process
	3.	Fluid Mechanics & Fluid Power	Fluid Mechanics & Fluid Power
	4.	Machine Drawing	Machine Drawing CAD
	5.	Mechanics of Materials & Fluid Mechanics Lab	Mechanics of Materials & Fluid Mechanics Lab
	6.	Workshop I (Smithy, Foundry &Welding)	Workshop I (Smithy, Foundry &Welding)
<b>IV</b>	1.	Applied Thermodynamics	Applied Thermodynamics
	2.	Machine Shop Technology	Machine Shop Technology
	3.	Electrical & Electronics Engineering	Electrical & Electronics Engineering
	4.	Thermodynamics Lab	Thermodynamics Lab
	5.	Electrical & Electronics Engineering Lab	Electrical & Electronics Engineering Lab
	6.	Workshop II (Lathe & Metrology)	Workshop II(Turning, Drilling & Shaping)
<b>V</b>	1.	Design of Machine Elements	Design of Machine Elements
	2.	Thermal Engineering	Thermal Engineering
	3.	Elective Theory-I	Elective Theory-I
		1.Foundry Technology	Foundry Technology of Foundry(SW)
		2.Refrigeration & Air conditioning	Refrigeration & Air conditioning
		3.Welding Technology	Welding Technology ( <b>J Scheme</b> )
		4.Metrology &Machine Tool Testing	Metrology, Machine Tool Maintenance & Testing
		5.Farm Equipment Technology	Farm Equipment Technology( <b>J Scheme</b> )
	4.	AutoCAD Lab	Machine Drawing CAD
	5.	Elective Practical-I	Elective Practical-I
	6.	Workshop III (Special Machines)	Workshop III (Slotting, Planning, Milling, Grinding & CNC Machine)
<b>VI</b>	1.	Industrial Engineering & Management	Industrial Engineering & Management
	2.	CAD/CAM	Computer Aided Design & Manufacturing
	3.	Elective Theory-II	
		1.Automobile Technology	Automobile Technology
		2.Mechatronics	Mechatronics
		3.Metallurgy	Metallurgy of Foundry(SW)
		4.Plastic Engineering	Plastic Engineering ( <b>J Scheme</b> )
		5.Robotics	Robotics & Auto Electronics of Electronics & Communication Engineering
	4.	CAD/CAM Lab	Computer Aided Design & Manufacturing Practical
	5.	Elective Practical II	Elective Practical II
	6.	Project Work, Entrepreneurship & Personal Skills	Project Work, Entrepreneurship, Environment & Disaster Management

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

**ELECTRICAL & ELECTRONICS ENGINEERING  
REVISED REGULATION (1985-1989)**

<b>SEM</b>	<b>S.NO</b>	<b>Revised Regulation (RR) ( I year Admission 1985-86)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Circuit Theory	Electrical Circuit Theory
	2.	Machines-I	Electrical Machines-I
	3.	Engineering Mechanics & Prime Movers	Basics of Mechanical Engineering ( <b>J Scheme</b> )
	4.	Drawing-I	Electrical Machine Drawing( <b>G Scheme</b> )
	5.	Machines Lab I	Electrical Circuits & Machines Practical
	6.	Workshop-Foundry, Lathe & Welding	Foundry & Machine Shop( <b>G Scheme</b> )
<b>IV</b>	1.	Machines-II	Electrical Machines-II
	2.	Electronics-I	Electronic Devices & Circuits
	3.	Measurements	Measurements & Instrumentation
	4.	Drawing-II	Electrical Machine Drawing( <b>G Scheme</b> )
	5.	Machines Lab-II	Electrical Machines & Instrumentation Lab
	6.	Electronics Lab-I	Electronic Devices & Circuits Practical
<b>V</b>	1.	Generation, Transmission & Switch gear	Power System-I
	2.	Electronics-II	Digital Electronics & Microprocessor ( <b>G Scheme</b> )
	3.	Control & Maintenance of machines	Control of Electrical machines
	4.	Wiring Lab, Winding Lab	Wiring, Winding & Estimating( <b>D Scheme</b> )
	5.	Electronics Lab-II	Digital electronics & Microprocessor Lab
	6.	Control & Maintenance Lab	Control of Electrical machines Lab
<b>VI</b>	1.	Computer Programming	Basics of Computer Science of I Year ( <b>J Scheme</b> )
	2.	Distribution & utilization	Power system-II
	3.	Elective Theory	
		1.Industrial Electronics	Power Electronics
		2.Television Engineering	Television Engineering of Electronics & Communication Engineering
		3.Microprocessor	Microprocessor & Applications ( <b>G Scheme</b> )
		4.Static Relays & Protection	Static Relays & Protection ( <b>G Scheme</b> )
	4.	Estimating & Costing	Wiring, Winding & Estimating Lab ( <b>D Scheme</b> )
	5.	Elective Lab	Elective lab(as per theory scheme)
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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

**‘C’ SCHEME (1988- 1993)**

<b>SEM</b>	<b>S.NO</b>	<b>Revised Scheme(RS) [ C SCHEME ] ( I year Admission 1988-89)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Circuit Theory	Electrical Circuit Theory
	2.	Machines-I	Electrical Machines-I
	3.	Engineering Mechanics & Prime Movers	Basics of Mechanical Engineering ( <b>J Scheme</b> )
	4.	Drawing-I	Electrical Machine Drawing( <b>G Scheme</b> )
	5.	Machines Lab I	Electrical Circuits & Machines Practical
	6.	Workshop-Foundry, Lathe & Welding	Foundry & Machine Shop( <b>G Scheme</b> )
<b>IV</b>	1.	Machines-II	Electrical Machines-II
	2.	Electronics-I	Electronic Devices & Circuits
	3.	Measurements	Measurements & Instrumentation
	4.	Drawing-II	Electrical Machine Drawing( <b>G Scheme</b> )
	5.	Machines Lab-II	Electrical Machines & Instrumentation Lab
	6.	Electronics Lab-I	Electronic Devices & Circuits Practical
<b>V</b>	1.	Generation, Transmission & Switch gear	Power System-I
	2.	Electronics-II	Digital Electronics & Microprocessor ( <b>G Scheme</b> )
	3.	Control & Maintenance of machines	Control of Electrical machines
	4.	Wiring Lab, Winding Lab	Wiring, Winding & Estimating( <b>D Scheme</b> )
	5.	Electronics Lab-II	Digital electronics & Microprocessor Lab
	6.	Control & Maintenance Lab	Control of Electrical machines Lab
<b>VI</b>	1.	Computer Programming	Basics of Computer Science of I Year ( <b>J Scheme</b> )
	2.	Distribution & utilization	Power system-II
	3.	Elective Theory	
		1.Industrial Electronics	Power Electronics
		2.Television Engineering	Television Engineering of Electronics & Communication Engineering
		3.Microprocessor	Microprocessor & Applications ( <b>G Scheme</b> )
		4.Static Relays & Protection	Static Relays & Protection ( <b>G Scheme</b> )
	4.	Estimating & Costing	Wiring, Winding & Estimating Lab( <b>D Scheme</b> )
	5.	Elective Lab	Elective lab( <b>as per theory scheme</b> )
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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

**‘D’ SCHEME (1992- 2000)**

<b>SEM</b>	<b>S.NO</b>	<b>New Scheme (NS) [ D Scheme ] ( I year Admission 1992-93)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Circuit Theory	Electrical Circuit Theory
	2.	Machines-I	Electrical Machines-I
	3.	Engineering mechanics & Prime Movers	Basics of Mechanical Engineering <b>(J Scheme)</b>
	4.	Drawing-I	Electrical Machine Drawing <b>(G Scheme)</b>
	5.	Machines Lab I	Electrical Circuits & Machines Practical
	6.	Workshop-Foundry, Lathe & Welding	Foundry & Machine Shop <b>(G Scheme)</b>
<b>IV</b>	1.	Machines-II	Electrical Machines-II
	2.	Electronics-I	Electronic Devices & Circuits
	3.	Measurements	Measurements & Instrumentation
	4.	Drawing-II	Electrical Machine Drawing <b>(G Scheme)</b>
	5.	Machines Lab-II	Electrical Machines & Instrumentation Lab
	6.	Electronics Lab-I	Electronic Devices & Circuits Practical
<b>V</b>	1.	Generation, Transmission & Switch gear	Power System-I
	2.	Electronics-II	Digital Electronics & Microprocessor <b>(G Scheme)</b>
	3.	Control & Maintenance of machines	Control of Electrical machines
	4.	Electronics Lab-II	Digital electronics & Microprocessor Lab <b>(G Scheme)</b>
	5.	Control & Maintenance of machines Lab	Control of Electrical machines Lab
	6.	Wiring, Winding & Estimating	Wiring, Winding & Estimating Lab <b>(D Scheme)</b>
<b>VI</b>	1.	Computer Programming & Applications	Basics of Computer Science of I Year <b>(J Scheme)</b>
	2.	Distribution & utilization	Power system-II
	3.	Elective Theory	
		1.Industrial Electronics	Power Electronics
		2.Television Engineering	Television Engineering of Electronics & Communication Engineering
		3.Microprocessor	Microprocessor & Applications <b>(G Scheme)</b>
		4.Static Relays & Protection	Static Relays & Protection <b>(G Scheme)</b>
	4.	Computer Programming & Applications Lab	Computer Aided Electrical drawing(CAE) Practical
	5.	Elective Lab	Elective lab(as per theory scheme)
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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

**‘G’ SCHEME (1999-2004)**

<b>SEM</b>	<b>S.NO</b>	<b>G Scheme ( I year Admission 1999-2000)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Electrical Circuit Theory	Electrical Circuit Theory
	2.	Electrical Machines-I	Electrical Machines-I
	3.	Programming C & Applications	‘C’ Programming & OOPs
	4.	Electrical Machines-I Lab	Electrical Circuits & Machines Practical
	5.	Programming C & Applications Lab	Programming C & Applications Lab( <b>G Scheme</b> )
	6.	Foundry & Machine Shop	Foundry & Machine Shop ( <b>G Scheme</b> )
<b>IV</b>	1.	Electrical Machines-II	Electrical Machines-II
	2.	Electronic Devices & Circuits	Electronic Devices & Circuits
	3.	Measurements & Instrumentation	Measurements & Instrumentation
	4.	Electrical Machine Drawing	Electrical Machine Drawing ( <b>G Scheme</b> )
	5.	Electrical Machines-II Lab	Electrical Machines & Instrumentation Lab
	6.	Electronic Devices & Circuits Lab	Electronic Devices & Circuits Practical
<b>V</b>	1.	Generation, Transmission & Switch gear	Power System-I
	2.	Digital Electronics & Microprocessor	Digital Electronics & Microprocessor( <b>G Sch</b> )
	3.	Elective Theory-I	
		1.Static Relays & Protection	Static Relays & Protection ( <b>G Scheme</b> )
		2.Control & Maintenance of electrical machines	Control of Electrical machines
		3.Non-Conventional Energy Sources	Non-Conventional Energy Source( <b>J Scheme</b> )
	4.	Wiring & Winding Lab	Wiring, Winding & Estimation Lab( <b>J Scheme</b> )
	5.	Digital electronics &MicroprocessorLab	Digital electronics & Microprocessor Lab ( <b>G</b> )
	6.	Elective Practical-I	Elective Practical I(as per theory scheme)
<b>VI</b>	1.	Distribution & utilization	Power system-II
	2.	Electrical Estimation	Electrical Estimation ( <b>G Scheme</b> )
	3.	Elective Theory –II	
		1.Industrial Electronics	Power Electronics
		2.Microprocessor & Applications	Microprocessor & Applications ( <b>G Scheme</b> )
		3.Bio-medical Instrumentation	Bio-medical Instrumentation
	4.	Elective Practical-II	Elective Practical II(as per theory scheme)
	5.	Computer Aided Electrical Drawing Lab	Computer Aided Electrical drawing(CAE) Practical
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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

**‘J’ SCHEME (2003-2008)**

<b>SEM</b>	<b>S.NO</b>	<b>J Scheme ( I year Admission 2003-04)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Electrical Circuit Theory	Electrical Circuit Theory
	2.	Electrical Machines-I	Electrical Machines-I
	3.	Electronic Devices & Circuits	Electronic Devices & Circuits
	4.	Electrical Machines LabI	Electrical Circuits & Machines Practical
	5.	Electronic Devices & Circuits Lab	Electronic Devices & Circuits Practical
	6.	MS Office Lab	MS Office Lab ( <b>J Scheme</b> )
<b>IV</b>	1.	Electrical Machines-II	Electrical Machines-II
	2.	Measurements & Instrumentation	Measurements & Instrumentation
	3.	Basics of Mechanical Engineering	Basics of Mechanical Engineering( <b>J Scheme</b> )
	4.	Electrical Machines Lab-II	Electrical Machines & Instrumentation Lab
	5.	Computer Aided Electrical Drawing Lab	Computer Aided Electrical drawing(CAE) Practical
	6.	Mechanical Engineering Lab	Workshop Practical
<b>V</b>	1.	Generation, Transmission & Switch gear	Power System-I
	2.	Analog & Digital Electronics	Analog & Digital Electronics
	3.	Elective Theory-I	
		1.Programming in C	‘C’ Programming & OOPs
		2.Control of Electrical machines	Control of Electrical machines
		3.Non-Conventional Energy Sources	Non-Conventional Energy Sources( <b>J Scheme</b> )
		4.Electrical Machine Design	Electrical Machine Design
	4.	Wiring, Winding & Estimation Lab	Wiring, Winding & Estimation Lab( <b>J Scheme</b> )
	5.	Analog & Digital Electronics Lab	Analog & Digital Electronics Practical
	6.	Elective Practical-I	Elective Practical I(as per theory scheme)
<b>VI</b>	1.	Distribution & utilization	Power system-II
	2.	Micro Controllers	Microprocessor & 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++	Programming in C++ ( <b>J Scheme</b> )
		4.Computer Hardware Servicing	Computer Hardware Servicing ( <b>J Scheme</b> )
	4.	Micro Controllers Lab	Microprocessor & Microcontroller Lab
	5.	Elective Practical-II	Elective Practical II(as per theory scheme)
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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

# ELECTRONICS & COMMUNICATION ENGINEERING

## REVISED REGULATION (1985- 1989)

SEM	S.NO	Revised Regulation (RR) ( I year Admission 1985-86)	Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.
<b>III</b>	1.	Mathematics	Mathematics ( <b>D Scheme</b> )
	2.	Electronic Devices	Electronic Devices & Circuits
	3.	Components, Circuits & Machines	Electric Circuits & Instrumentation
	4.	Introduction to Computer Programming	Basics of Computer Science of I Year ( <b>J Scheme</b> )
	5.	Devices Lab	Electronic Devices & Circuits lab
	6.	Circuits & Machines Lab	Electronic Devices & Circuits lab
<b>IV</b>	1.	Electronic Circuits	Electronic Devices & Circuits
	2.	Measurements & Instrumentation	Electric Circuits & Instrumentation
	3.	Network, Antenna & Propagation	Network, Antenna & Propagation ( <b>D Scheme</b> )
	4.	Electronic Circuits Lab	Electronic Devices & Circuits lab
	5.	Measurements & Instrumentation Lab	Electric Circuits & Instrumentation Lab
	6.	Electronics Drafting & Tracing Lab	Electronics Drafting & Tracing Lab ( <b>D Scheme</b> )
<b>V</b>	1.	Micro Electronics	Analog & Digital Electronics
	2.	Communication System	Communication Engineering
	3.	Elective Theory-I	
		1.Microwave Engineering	Microwave Engineering ( <b>D Scheme</b> )
		2.Television Engineering	Television Engineering
		3.Medical Electronics	Bio-Medical Instrumentation
		4,PCB Design & Fabrication	PCB Design ( <b>D Scheme</b> )
	4.	Micro Electronics Lab	Analog & Digital Electronics Lab
	5.	Communication System & Servicing Lab	IE & CE Lab
	6.	Elective Practical-I	Elective Practical-I(as per theory scheme)
<b>VI</b>	1.	Microprocessor & its Application	Microprocessor & Applications ( <b>G Scheme</b> )
	2.	Industrial Electronics	Industrial Electronics
	3.	Elective Theory II	
		1.Computer Programming in COBOL	COBOL Programming of Computer Technology( <b>G Scheme</b> )
		2.System Design using IC's	Advanced Communication System
		3.Instrumentation & Control Systems	Instrumentation & Control Systems ( <b>D Scheme</b> )
		4.Advanced Communication Engineering	Advanced Communication System
	4.	Microprocessor Lab	Microprocessor Lab ( <b>G Scheme</b> )
	5.	Industrial Electronics Lab	IE & CE Lab
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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

**‘C’ SCHEME ( 1988-1993)**

<b>SEM</b>	<b>S.NO</b>	<b>Revised Scheme (RS) [C Scheme] ( I year Admission 1988-89)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Mathematics	Mathematics ( <b>D Scheme</b> )
	2.	Electronic Devices	Electronic Devices & Circuits
	3.	Components, Circuits & Machines	Electric Circuits & Instrumentation
	4.	Introduction to Computer Programming	Basics of Computer Science of I Year ( <b>J Scheme</b> )
	5.	Devices Lab	Electronic Devices & Circuits lab
	6.	Circuits & Machines Lab	Electronic Devices & Circuits lab
<b>IV</b>	1.	Electronic Circuits	Electronic Devices & Circuits
	2.	Measurements & Instrumentation	Electric Circuits & Instrumentation
	3.	Network, Antenna & Propagation	Network, Antenna & Propagation ( <b>D Scheme</b> )
	4.	Electronic Circuits Lab	Electronic Devices & Circuits lab
	5.	Measurements & Instrumentation Lab	Electric Circuits & Instrumentation Lab
	6.	Electronics Drafting & Tracing Lab	Electronics Drafting & Tracing Lab ( <b>D Scheme</b> )
<b>V</b>	1.	Micro Electronics	Analog & Digital Electronics
	2.	Communication System	Communication Engineering
	3.	Elective Theory-I	
		1.Microwave Engineering	Microwave Engineering ( <b>D Scheme</b> )
		2.Television Engineering	Television Engineering
		3.Medical Electronics	Bio-Medical Instrumentation
		4,PCB Design & Fabrication	PCB Design ( <b>D Scheme</b> )
	4.	Micro Electronics Lab	Analog & Digital Electronics Lab
	5.	Communication System & Servicing Lab	IE & CE Lab
	6.	Elective Practical-I	Elective Practical-I(as per theory scheme)
<b>VI</b>	1.	Microprocessor & its Application	Microprocessor & Applications ( <b>G Scheme</b> )
	2.	Industrial Electronics	Industrial Electronics
	3.	Elective Theory II	
		1.Computer Programming in COBOL	COBOL Programming of Computer Technology ( <b>G Scheme</b> )
		2.System Design using IC's	Advanced Communication System
		3.Instrumentation & Control Systems	Instrumentation & Control Systems ( <b>D Scheme</b> )
		4.Advanced Communication Engineering	Advanced Communication System
	4.	Microprocessor Lab	Microprocessor Lab ( <b>G Scheme</b> )
	5.	Industrial Electronics Lab	IE & CE Lab
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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

**‘D’ SCHEME (1992- 2000)**

<b>SEM</b>	<b>S.NO</b>	<b>New Scheme (NS) [D Scheme] ( I year Admission 1992-93)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations</b>
<b>III</b>	1.	Mathematics	Mathematics ( <b>D scheme</b> )
	2.	Electronic Devices & Components	Electronic Devices & Circuits
	3.	Electrical Circuits & Machines	Electric Circuits & Instrumentation
	4.	Programming & Applications of Computer	Basics of Computer Science of <b>I Year ( J Scheme)</b>
	5.	Electronic Devices Lab	Electronic Devices & Circuits Lab
	6.	Programming & Applications of Computer Lab	Programming & Applications of Computer Lab ( <b>D Scheme</b> )
<b>IV</b>	1.	Electronic Circuits	Electronic Devices & Circuits
	2.	Micro Electronics	Analog & Digital Electronics
	3.	Network, Antenna & Propagation	Network, Antenna & Propagation( <b>D Scheme</b> )
	4.	Electronic Circuits Lab	Electronic Devices & Circuits Lab
	5.	Micro Electronics Lab	Analog & Digital Electronics Lab
	6.	Electronics Drafting & Tracing Lab	Electronics Drafting & Tracing Lab ( <b>D Scheme</b> )
<b>V</b>	1.	Measurements & Instrumentation	Electric Circuits & Instrumentation
	2.	Communication Engineering	Communication Engineering
	3.	Microprocessor & Applications	Microprocessor & Applications ( <b>G Scheme</b> )
	4.	Measurements & Instrumentation Lab	Electric Circuits & Instrumentation Lab
	5.	Communication Engineering Lab	IE & CE Lab
	6.	Microprocessor Lab	Microprocessor Lab ( <b>G Scheme</b> )
<b>VI</b>	1.	Television Engineering	Television Engineering
	2.	Communication Systems	Advanced Communication Systems
	3.	Elective Theory	
		1.Microwave Engineering	Microwave Engineering ( <b>D Scheme</b> )
		2.Industrial Electronics	Industrial Electronics
		3.Computer Programming in COBOL	COBOL Programming of Computer Technology( <b>G Scheme</b> )
		4.Instrumentation & Control Systems	Instrumentation & Control Systems ( <b>D Scheme</b> )
		5.PCB Design	PCB Design ( <b>D Scheme</b> )
		6. C Programming Language	C Programming & OOPs of Electrical & Electronics Engineering
		4. T.V. Servicing Lab	Television Engineering
	5. Elective Lab	Elective Lab ( <b>as per theory scheme</b> )	
	6. Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management	

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

**‘G’ SCHEME (1999- 2004)**

<b>SEM</b>	<b>S.NO</b>	<b>G Scheme ( I year Admission 1999-2000)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Circuits & Machines	Electric Circuits & Instrumentation
	2.	Electronic Devices & Components	Electronic Devices & Circuits
	3.	C++ Programming	C++ Programming ( <b>J Scheme</b> )
	4.	Circuits & Machines Lab	Electric Circuits & Instrumentation Lab
	5.	Electronic Devices & Components Lab	Electronic Devices & Circuits Lab
	6.	C++ Programming Lab	C++ Programming Lab ( <b>J Scheme</b> )
<b>IV</b>	1.	Electronic Circuits	Electronic Devices & Circuits
	2.	Digital Electronics	Analog & Digital Electronics
	3.	Measurements & Instrumentation	Electric Circuits & Instrumentation
	4.	Electronic Circuits Lab	Electronic Devices & Circuits Lab
	5.	Digital Electronics Lab	Analog & Digital Electronics Lab
	6.	Measurements & Instrumentation Lab	Electric Circuits & Instrumentation Lab
<b>V</b>	1.	Microprocessor & Applications	Microprocessor & Applications ( <b>G scheme</b> )
	2.	Communication Engineering	Communication Engineering
	3.	Elective Theory-I	
		1.Visual Basic	Visual Basic ( <b>G Scheme</b> )
		2.Television Engineering	Television Engineering
		3.Bio-Medical Instrumentation	Bio-Medical Instrumentation
	4.	Microprocessor Lab	Microprocessor Lab ( <b>G Scheme</b> )
	5.	Communication Engineering Lab	IE & CE Lab
	6.	Elective Lab-I	Elective Lab I (as per theory scheme)
<b>VI</b>	1.	Industrial Electronics	Industrial Electronics
	2.	Communication Systems	Advanced Communication Systems
	3.	Elective Theory-II	
		1.Power Electronics	Power Electronics ( <b>J Scheme</b> )
		2.Computer Installation & Servicing	Computer Hardware & Networking
		3.Surface Mount Technology	Surface Mount Technology( <b>J Scheme</b> )
	4.	Industrial Electronics Lab	IE & CE Lab
	5.	Elective Lab II	Elective Lab II ( <b>as per theory scheme</b> )
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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

**‘J’ SCHEME (2003 – 2008)**

<b>SEM</b>	<b>S.NO</b>	<b>J Scheme ( I year Admission 2003-04)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Electrical Circuits & Machines	Electric Circuits & Instrumentation
	2.	Electronic Devices & Components	Electronic Devices & Circuits
	3.	C++ Programming	C++ Programming ( <b>J Scheme</b> )
	4.	Electrical Circuits & Machines Lab	Electric Circuits & Instrumentation Lab
	5.	Electronic Devices & Components Lab	Electronic Devices & Circuits Lab
	6.	C++ Programming Lab	C++ Programming Lab ( <b>J Scheme</b> )
<b>IV</b>	1.	Electronic Circuits	Electronic Devices & Circuits
	2.	Digital Electronics	Analog & Digital Electronics
	3.	Measurements & Instrumentation	Electric Circuits & Instrumentation
	4.	Electronic Circuits Lab	Electronic Devices & Circuits Lab
	5.	Digital Electronics Lab	Analog & Digital Electronics Lab
	6.	Measurements & Instrumentation Lab	Electric Circuits & Instrumentation Lab
<b>V</b>	1.	Communication Engineering	Communication Engineering
	2.	Microcontrollers & Advanced Microprocessors	Microprocessor and Microcontroller
	3.	Elective Theory-I	
		1.Surface Mount Technology	Surface Mount Technology( <b>J Scheme</b> )
		2.Computer Installation & Servicing	Computer Hardware & Networking
		3.Bio-Medical Instrumentation	Bio-Medical Instrumentation
		4.Power Electronics	Power Electronics ( <b>J Scheme</b> )
	4.	Communication Engineering Lab	IE & CE Lab
	5.	Microcontrollers & Microprocessors Lab	Microprocessor and Microcontroller Lab
	6.	Elective I Lab	Elective I Lab ( <b>as per theory scheme</b> )
<b>VI</b>	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 & Networking
		4.Digital Signal Processing	Digital Signal Processing
	4.	Communication Systems Lab	Advanced Communication Systems Lab
	5.	Industrial Electronics Lab	IE & CE Lab
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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

# COMPUTER ENGINEERING

## ‘C’ SCHEME (1988-1993)

SEM	S.NO	Revised Scheme (RS) [C Scheme] ( I year Admission 1988-89)	Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.
<b>III</b>	1.	Applied Statistics	Basics of Computer Science of I Year ( J Scheme)
	2.	Electronic Circuits	Basics of Electrical & Electronics Engineering
	3.	Digital Electronics	Microprocessors (G Scheme)
	4.	Programming in COBOL	COBOL Programming (G Scheme)
	5.	Electronic Circuits Lab	Electrical & Electronics Laboratory
	6.	COBOL Programming Lab	COBOL Programming Lab(C Scheme)
<b>IV</b>	1.	FORTRAN Programming & Numerical Methods	Computer Architecture & Assembly Language Programming
	2.	Principles of Microprocessors	Microprocessors(G Scheme)
	3.	Computer Organisation	Computer Architecture & Assembly Language Programming
	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)
<b>V</b>	1.	Microprocessor & Applications	Microprocessor Based System Design(D Scheme)
	2.	System Analysis & Design	Organisational Study & Entrepreneurship (D Scheme)
	3.	Office Automation & Word Processing	Basics of Computer Science of I Year ( J Scheme)
	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)
<b>VI</b>	1.	Computer Installation & Maintenance	PC Hardware & Servicing
	2.	System Software	Operating systems
	3.	Computer Peripherals & Interfacing	Microprocessors(G Scheme)
	4.	Elective Theory	
		1.C Language programming	C & Data Structures
		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, Entrepreneurship, Environment & Disaster Management

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

**‘D’ SCHEME (1992-2000)**

<b>SEM</b>	<b>S.NO</b>	<b>New Scheme (NS) [D Scheme] ( I year Admission 1992-93)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Introduction to Computer & BASIC Programming	Basics of Computer Science of I Year ( J Scheme)
	2.	Electronic Devices & Circuits	Basics of Electrical & Electronics Engineering
	3.	Digital Electronics & Microprocessor	Microprocessors(G Scheme)
	4.	Basic Programming Lab	Basic Programming Lab(D Scheme)
	5.	Electronic Devices & Circuits Lab	Electrical & Electronics Laboratory
	6.	Digital Electronics & Microprocessor Lab	Microprocessor Lab ( G Scheme)
<b>IV</b>	1.	Microprocessor Interfacing Techniques	Microprocessors(G Scheme)
	2.	Assembly Language Programming	Computer Architecture & Assembly Language Programming
	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)
<b>V</b>	1.	Computer Architecture	Computer Architecture & Assembly Language Programming
	2.	Microprocessor Based System Design	Microprocessor Based System Design (D Scheme)
	3.	C Programming	C & Data Structures
	4.	Microprocessor Based System Design Lab	Microprocessor Based System Design Lab (D Scheme)
	5.	C Programming Lab	C & Data Structures Laboratory
	6.	PC Packages Lab	Software Lab ( J Scheme)
<b>VI</b>	1.	Computer Installation & Servicing	PC Hardware & Servicing
	2.	Computer Communication & Graphics	Computer Networks & 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 (J Scheme)
	3.UNIX Programming	Operating Systems	
5.	Hardware Servicing Lab	PC Hardware & Servicing	
6.	Project Work	Project Work, Entrepreneurship, Environment & Disaster Management	

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

**‘G’ SCHEME ( 1999- 2004)**

<b>SEM</b>	<b>S.NO</b>	<b>G Scheme ( I year Admission 1999-2000)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Electronic Devices & Digital Electronics	Basics of Electrical & Electronics Engineering
	2.	Data Structures using C	C & Data Structures
	3.	Operating Systems	Operating Systems
	4.	Electronic Devices & Digital Electronics Lab	Electrical & Electronics Laboratory
	5.	Data Structures using C Lab	C & Data Structures Laboratory
	6.	Operating Systems Lab	Software Lab ( <b>J Scheme</b> )
<b>IV</b>	1.	Microprocessors	Microprocessors( <b>G Scheme</b> )
	2.	C++ Programming	C++ Programming ( <b>J Scheme</b> )
	3.	Computer Architecture	Computer Architecture & Assembly Language Programming
	4.	Microprocessors Lab	Microprocessors Lab( <b>G Scheme</b> )
	5.	C++ Programming Lab	C++ Programming Lab ( <b>J Scheme</b> )
	6.	PC Packages Lab	Software Lab ( <b>J Scheme</b> )
<b>V</b>	1.	Networks-I	Computer Networks & Security
	2.	Relational Database Management Systems	Relational Database Management Systems
	3.	Elective Theory-I	
		1.Visual Basic Programming	Visual Basic Programming( <b>G Scheme</b> )
		2.Visual C++ Programming	Visual C++ Programming( <b>J Scheme</b> )
		3.Power Builder	Power Builder( <b>G Scheme</b> )
4.	Networks-I Lab	Computer Networks & Security Laboratory	
5.	Relational Database Management Systems Lab	Relational Database Management Systems Laboratory	
6.	Elective Lab I	Elective Lab I ( as per theory scheme)	
<b>VI</b>	1.	Computer Installation & Servicing	PC Hardware & Servicing
	2.	Networks-II	Computer Networks & Security
	3.	Elective Theory-II	
		1.Java Programming	Object Oriented Programming with Java
		2.DeskTop Publishing	DeskTop Publishing( <b>G Scheme</b> )
		3.COBOl Programming	COBOl Programming ( <b>G Scheme</b> )
4.	Hardware Servicing Lab	PC Hardware & Servicing Laboratory	
5.	Elective Lab II	Elective Lab II ( as per theory scheme)	
6.	Project Work &Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management	

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

**‘J’ SCHEME (2003-2008)**

<b>SEM</b>	<b>S.NO</b>	<b>J Scheme ( I year Admission 2003-04)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Electronics Circuits & Microprocessor	Basics of Electrical & Electronics Engineering
	2.	C++ Programming	C++ Programming ( <b>J Scheme</b> )
	3.	System Programming	Operating Systems
	4.	Electronics Circuits & Microprocessor Lab	Electrical & Electronics Laboratory
	5.	C++ Programming Lab	C++ Programming Lab ( <b>J Scheme</b> )
	6.	Software Lab	Software Lab ( <b>J Scheme</b> )
<b>IV</b>	1.	Assembly Language Programming	Computer Architecture & Assembly Language Programming
	2.	Data Structures & Algorithm	C & Data Structures
	3.	Computer Architecture	Computer Architecture & Assembly Language Programming
	4.	Assembly Language Programming Lab	Assembly Language Programming Lab ( <b>J Scheme</b> )
	5.	Data Structures Lab (Implementation in C )	C & Data Structures Laboratory
	6.	Visual Basic Programming Lab	Visual Basic Programming Lab ( <b>J Scheme</b> )
<b>V</b>	1.	Networks & Administration	Computer Networks & Security
	2.	Relational Database Management Systems	Relational Database Management Systems
	3.	Elective Theory -I	
		1.Java Programming	Object Oriented Programming with Java
		2.Visual C++ Programming	Visual C++ Programming( <b>J Scheme</b> )
		3. Computer Graphics	Computer Graphics ( <b>J Scheme</b> )
4.	Networks & Administration Lab	Computer Networks & Security Laboratory	
5.	Relational Database Management Systems Lab	Relational Database Management Systems Laboratory	
6.	Elective Lab I	Elective Lab I ( as per theory scheme)	
<b>VI</b>	1.	Computer Installation & Servicing	PC Hardware & Servicing
	2.	Principles of Modern Communication System	Principles of Modern Communication System ( <b>J Scheme</b> )
	3.	Elective Theory-II	
		1.Web Technology	Internet Concepts & Web Design
		2.Multimedia	Multimedia Systems
		3.Linux Programming & Administration	Linux Programming & Administration ( <b>J Scheme</b> )
4.	Computer Installation & Servicing Lab	PC Hardware & Servicing Laboratory	
5.	Elective Lab II	Elective Lab II ( as per theory scheme)	
6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management	

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

# INFORMATION TECHNOLOGY

## ‘G’ SCHEME ( 1999-2004)

SEM	S.NO	G Scheme ( I year Admission 1999-2000)	Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.
<b>III</b>	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 Laboratory
	5.	Operating Systems Lab	Software Lab ( <b>J Scheme</b> )
	6.	PC Packages Lab	Software Lab ( <b>J Scheme</b> )
<b>IV</b>	1.	Networks	Computer Networks & Security
	2.	Database Management Systems	Database Management Systems ( <b>G Scheme</b> )
	3.	C++ Programming	C++ Programming ( <b>J Scheme</b> )
	4.	Networks Lab	Computer Networks & Security Laboratory
	5.	Database Management Systems Lab	Database Management Systems Lab ( <b>G Scheme</b> )
	6.	C++ Programming Lab	C++ Programming Lab ( <b>J Scheme</b> )
<b>V</b>	1.	Relational Database Management Systems	Relational Database Management Systems
	2.	System Analysis & Design	System Analysis & Design ( <b>J Scheme</b> )
	3.	Elective Theory-I	
		1.Visual Basic Programming	Visual Basic Programming( <b>G Scheme</b> )
		2.Visual C++ Programming	Visual C++ Programming( <b>J Scheme</b> )
		3.Power Builder	Power Builder( <b>G Scheme</b> )
	4.	Relational Database Management Systems Lab	Relational Database Management Systems Laboratory
	5.	Desktop Publishing	Desktop Publishing( <b>G Scheme</b> )
	6.	Elective Lab I	Elective Lab I ( as per theory scheme)
<b>VI</b>	1.	Software Engineering	Software Engineering ( <b>G Scheme</b> )
	2.	Internet Programming	Internet Programming ( <b>G Scheme</b> )
	3.	Elective Theory-II	
		1.Java Programming	Object Oriented Programming with Java
		2.COBOLE Programming	COBOL Programming ( <b>G Scheme</b> )
		3.Computer Installation & Servicing	PC Hardware & Servicing
	4.	Internet Programming Lab	Internet Programming Lab
	5.	Elective Lab II	Elective Lab II ( as per theory scheme)
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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

**‘J’ SCHEME (2003-2008)**

<b>SEM</b>	<b>S.NO</b>	<b>J Scheme ( I year Admission 2003-04)</b>	<b>Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations.</b>
<b>III</b>	1.	Electronics Circuits & Microprocessor	Basics of Electrical & Electronics Engineering
	2.	C++ Programming	C++ Programming ( <b>J Scheme</b> )
	3.	System Programming	Operating Systems
	4.	Electronics Circuits & Microprocessor Lab	Electrical & Electronics Laboratory
	5.	C++ Programming Lab	C++ Programming Lab ( <b>J Scheme</b> )
	6.	Software Lab	Software Lab ( <b>J Scheme</b> )
<b>IV</b>	1.	Computer Graphics	Computer Graphics ( <b>J Scheme</b> )
	2.	Data Structures & Algorithm	C & Data Structures
	3.	Management Information System	Management Information System
	4.	Computer Graphics Lab	Computer Graphics Lab ( <b>J Scheme</b> )
	5.	Data Structures Lab (Implementation in C )	C & Data Structures Laboratory
	6.	Visual Basic Programming Lab	Visual Basic Programming Lab ( <b>J Scheme</b> )
<b>V</b>	1.	Java Programming	Object Oriented Programming with Java
	2.	Relational Database Management Systems	Relational Database Management Systems
	3.	Elective Theory-I	
		1.Linux Programming & Administration	Linux Programming & Administration ( <b>J Scheme</b> )
		2.Visual C++ Programming	Visual C++ Programming( <b>J Scheme</b> )
		3.Multimedia	Multimedia Systems
	4.	Java Programming Lab	Java Programming Lab
	5.	Relational Database Management Systems Lab	Relational Database Management Systems Laboratory
	6.	Elective Lab I	Elective Lab I ( as per theory scheme)
<b>VI</b>	1.	Web Technology	Internet Concepts & Web Design
	2.	Networks & Administration	Computer Networks & Security
	3.	Elective Theory-II	
		1.System Analysis & Design	System Analysis & Design ( <b>J Scheme</b> )
		2.Principles of Modern Communication System	Principles of Modern Communication System ( <b>J Scheme</b> )
		3.Principles of Programming Languages	Principles of Programming Languages ( <b>J Scheme</b> )
	4.	Web Technology Lab	Web Designing Lab
	5.	Networks & Administration Lab	Computer Networks & Security Lab
	6.	Project Work & Entrepreneurship	Project Work, Entrepreneurship, Environment & Disaster Management

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