

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. |
|---------------|------|--|---|
| I Year | 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 (K Scheme) |
| | 9. | Chemistry Practical | Chemistry Practical (K Scheme) |
| | 10. | Workshop | Workshop Practice (K Scheme) |

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

‘ C ‘ SCHEME (1988 – 1993)

| SEM | S.NO | Revised Scheme (RS) (C Scheme) (Implementing academic year 1988-89) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|---------------|-------------|---|---|
| I Year | 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 (K Scheme) |
| | 9. | Chemistry Practical | Chemistry Practical (K Scheme) |
| | 10. | Workshop | Workshop Practice (K Scheme) |

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

‘D’ SCHEME (1992 – 2000)

| SEM | S.NO | New Scheme (NS) [D Scheme] (Implementing academic year 1992-93) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|---------------|-------------|--|---|
| I Year | 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 (K Scheme) |
| | 9. | Chemistry Practical | Chemistry Practical (K Scheme) |
| | 10. | Workshop | Workshop Practice (K Scheme) |

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

‘G’ SCHEME (1999-2004)

| SEM | S.NO | G Scheme (Implementing academic year 1999-2000) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|---------------|-------------|--|---|
| I Year | 1. | English | Communication English – II |
| | 2. | Basics of Computer Science | Basics of Computer Science (J Scheme) |
| | 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 (K Scheme) |
| | 9. | Chemistry Practical | Chemistry Practical (K Scheme) |
| | 10. | Workshop | Workshop Practice (K Scheme) |

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

‘ J ‘ SCHEME (2003 – 2008)

| SEM | S.NO | J Scheme (Implementing academic year 2003-04) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|---------------|-------------|--|---|
| I Year | 1. | English | Communication English – II |
| | 2. | Basics of Computer Science | Basics of Computer Science (J Scheme) |
| | 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 (K Scheme) |
| | 9. | Applied Chemistry Practical | Chemistry Practical (K Scheme) |
| | 10 | Workshop | Workshop Practice (K Scheme) |
| | 11. | English Communication Practical | IV / V Sem. Communication Skills in English – Practical(K Scheme) |

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

‘K’ SCHEME (2007 – 2011)

| SEM | S.NO | K Scheme (Implementing academic year 2007-08) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|------------|-------------|--|---|
| I | 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 |
| | | | |
| II | 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 (K Scheme) |
| | 7. | Chemistry Practical | Chemistry Practical (K Scheme) |
| | 8. | Computer Application | Computer Application (K Scheme) |
| | 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)**

| 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. |
|------------|-------------|--|---|
| III | 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 |
| IV | 1. | Hydraulics & Irrigation Engineering | Hydraulics |
| | 2. | Survey Theory I | Surveying |
| | 3. | Introduction to Computer Programming | Basics of Computer Science (J Scheme) |
| | 4. | Quantity Surveying I | Quantity Surveying |
| | 5. | Hydraulics Lab | Hydraulics & Plumbing Lab Practice |
| | 6. | Survey Practical-I | Survey Practice-I |
| V | 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 (D Scheme) |
| | 6. | Survey Practical II | Survey Practice-I |
| VI | 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 (C Scheme) |
| | 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)

| 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. |
|------------|-------------|--|---|
| III | 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 |
| IV | 1. | Hydraulics & Irrigation Engineering | Hydraulics |
| | 2. | Survey Theory I | Surveying |
| | 3. | Introduction to Computer Programming | Basics of Computer Science (J Scheme) |
| | 4. | Quantity Surveying I | Quantity Surveying |
| | 5. | Hydraulics Lab | Hydraulics & Plumbing Lab Practice |
| | 6. | Survey Practical-I | Survey Practice-I |
| V | 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 (D Scheme) |
| | 6. | Survey Practical II | Survey Practice-I |
| VI | 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 (C Scheme) |
| | 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)

| SEM | S.NO | New Scheme (NS) [D Scheme] (I year Admission 1992-93) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|------------|-------------|---|---|
| III | 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 |
| IV | 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 |
| V | 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 (D Scheme) |
| | 6. | Concrete & Construction Lab | Construction lab Practice |
| VI | 1. | Mechanics of Structures | Theory of Structures |
| | 2. | Computer Programming & Applications | Basics of Computer Science(J Scheme) |
| | 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)

| 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. |
|------------|-------------|---|---|
| III | 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 |
| IV | 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 |
| V | 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 (G Scheme) |
| | | 3.Town Planning | Town Planning |
| | | 4.Rural Engineering Technology | Rural Engineering Technology (G Scheme) |
| | 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 |
| 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 Mechanism & Foundation Engineering (J Scheme) |
| | | 2.Steel Timber & Masonry Structures | Steel Timber & Masonry Structures (G Scheme) |
| | | 3.Advanced Surveying | Advanced Surveying (G Scheme) |
| | | 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)

| SEM | S.NO | J Scheme (I year Admission 2003-04) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|------------|---|---|---|
| III | 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 |
| IV | 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 |
| V | 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 (J Scheme) |
| 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 | |
| VI | 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. |
|------------|---------------------------------|--|--|
| III | 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) |
| IV | 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 (D Scheme) |
| V | 1. | Heat Power Engineering II | Applied Thermodynamics |
| | 2. | Production Technology II | Machine Shop Technology |
| | 3. | Introduction to Computer Programming | Basics of Computer Science(J Scheme) |
| | 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) |
| VI | 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 (J Scheme) |
| | | 6.Agriculture & Farm Equipment Technology | Farm Equipment Technology (J Scheme) |
| | | 7.Machine Design & Drafting | Machine Design & Drafting (D Scheme) |
| | 4. | Elective Practical | Elective Practical |
| 5. | Workshop Special Machines –II | Workshop Special Machines –II (D 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)

| 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. |
|------------|---------------------------------|--|---|
| III | 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) |
| IV | 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 (D Scheme) |
| V | 1. | Heat Power Engineering II | Applied Thermodynamics |
| | 2. | Production Technology II | Machine Shop Technology |
| | 3. | Introduction to Computer Programming | Basics of Computer Science(J Scheme) |
| | 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) |
| VI | 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 (J Scheme) |
| | | 6.Agriculture & Farm Equipment Technology | Farm Equipment Technology (J Scheme) |
| | | 7.Machine Design & Drafting | Machine Design & Drafting (D Scheme) |
| | 4. | Elective Practical | Elective Practical |
| | 5. | Workshop Special Machines –II | Workshop Special Machines –II (D 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

‘D’ SCHEME (1992- 2000)

| SEM | S.NO | New Scheme (NS) [D Scheme] (I year Admission 1992-93) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|------------|-------------|--|---|
| III | 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) |
| IV | 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 (D Scheme) |
| V | 1. | Thermal Power Engineering | Applied Thermodynamics |
| | 2. | Industrial Engineering | Industrial Engineering & Management |
| | 3. | Computer Programming &Applications | Basics of Computer Science(J Scheme) |
| | 4. | Thermal Power Engineering Lab | Thermodynamics Lab |
| | 5. | Computer Programming & Drafting Lab | Computer Programming & Drafting Lab (D Scheme) |
| | 6. | Workshop Special machines I | Workshop III (Slotting, Planning, Milling, Grinding & CNC Machine) |
| VI | 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 (D Scheme) |
| | | 4.Refrigeration & Air conditioning | Refrigeration & Air conditioning |
| | | 5.Machine Design & Drafting | Machine Design & Drafting (D Scheme) |
| | 4. | Elective Practical | |
| | 5. | Workshop Special Machines II | Workshop Special Machines II(D 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

‘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. |
|------------|-------------|---|---|
| III | 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) |
| IV | 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) |
| V | 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 (G Scheme) |
| | | 2.Refrigeration & Air conditioning | Refrigeration & Air conditioning |
| | | 3.Welding Technology | Welding Technology (J Scheme) |
| | | 4.Metrology &Machine Tool Testing | Metrology, Machine Tool Maintenance & Testing |
| | | 5.Plastic Engineering | Plastic Engineering (J Scheme) |
| | | 6.Press Tools | Press Tools (G Scheme) |
| | | 7.Tool Engineering | Tool Engineering (G Scheme) |
| | 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) |
| VI | 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(J Scheme) |
| | | 2.Farm Equipment Technology | Farm Equipment Technology(J Scheme) |
| | | 3.Foundry Technology | Foundry Technology of Foundry(SW) |
| | | 4.Metallurgy | Metallurgy of Foundry(SW) |
| | | 5.TQM | TQM (G Scheme) |
| | | 6.Robotics | Robotics & Auto Electronics of Electronics & Communication Engineering |
| | | 7.Process Planning & Cost Estimation | Process Planning & Cost Estimation (G Scheme) |
| | 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)

| SEM | S.NO | J Scheme (I year Admission 2003-04) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|------------|-------------|---|---|
| III | 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) |
| IV | 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) |
| V | 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 (J Scheme) |
| | | 4.Metrology &Machine Tool Testing | Metrology, Machine Tool Maintenance & Testing |
| | | 5.Farm Equipment Technology | Farm Equipment Technology(J Scheme) |
| | 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) |
| VI | 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 (J Scheme) |
| | | 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)**

| 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. |
|------------|-------------|--|---|
| III | 1. | Circuit Theory | Electrical Circuit Theory |
| | 2. | Machines-I | Electrical Machines-I |
| | 3. | Engineering Mechanics & Prime Movers | Basics of Mechanical Engineering (J Scheme) |
| | 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 & Instrumentation |
| | 4. | Drawing-II | Electrical Machine Drawing(G Scheme) |
| | 5. | Machines Lab-II | Electrical Machines & Instrumentation Lab |
| | 6. | Electronics Lab-I | Electronic Devices & Circuits Practical |
| V | 1. | Generation, Transmission & Switch gear | Power System-I |
| | 2. | Electronics-II | Digital Electronics & Microprocessor (G Scheme) |
| | 3. | Control & Maintenance of machines | Control of Electrical machines |
| | 4. | Wiring Lab, Winding Lab | Wiring, Winding & Estimating(D Scheme) |
| | 5. | Electronics Lab-II | Digital electronics & Microprocessor Lab |
| | 6. | Control & Maintenance Lab | Control of Electrical machines Lab |
| VI | 1. | Computer Programming | Basics of Computer Science of I Year (J Scheme) |
| | 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 (G Scheme) |
| | | 4.Static Relays & Protection | Static Relays & Protection (G Scheme) |
| | 4. | Estimating & Costing | Wiring, Winding & Estimating Lab (D Scheme) |
| | 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)

| 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. |
|------------|-------------|--|---|
| III | 1. | Circuit Theory | Electrical Circuit Theory |
| | 2. | Machines-I | Electrical Machines-I |
| | 3. | Engineering Mechanics & Prime Movers | Basics of Mechanical Engineering (J Scheme) |
| | 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 & Instrumentation |
| | 4. | Drawing-II | Electrical Machine Drawing(G Scheme) |
| | 5. | Machines Lab-II | Electrical Machines & Instrumentation Lab |
| | 6. | Electronics Lab-I | Electronic Devices & Circuits Practical |
| V | 1. | Generation, Transmission & Switch gear | Power System-I |
| | 2. | Electronics-II | Digital Electronics & Microprocessor (G Scheme) |
| | 3. | Control & Maintenance of machines | Control of Electrical machines |
| | 4. | Wiring Lab, Winding Lab | Wiring, Winding & Estimating(D Scheme) |
| | 5. | Electronics Lab-II | Digital electronics & Microprocessor Lab |
| | 6. | Control & Maintenance Lab | Control of Electrical machines Lab |
| VI | 1. | Computer Programming | Basics of Computer Science of I Year (J Scheme) |
| | 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 (G Scheme) |
| | | 4.Static Relays & Protection | Static Relays & Protection (G Scheme) |
| | 4. | Estimating & Costing | Wiring, Winding & Estimating Lab(D Scheme) |
| | 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

‘D’ SCHEME (1992- 2000)

| SEM | S.NO | New Scheme (NS) [D Scheme] (I year Admission 1992-93) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|------------|-------------|---|---|
| III | 1. | Circuit Theory | Electrical Circuit Theory |
| | 2. | Machines-I | Electrical Machines-I |
| | 3. | Engineering mechanics & Prime Movers | Basics of Mechanical Engineering (J Scheme) |
| | 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 & Instrumentation |
| | 4. | Drawing-II | Electrical Machine Drawing (G Scheme) |
| | 5. | Machines Lab-II | Electrical Machines & Instrumentation Lab |
| | 6. | Electronics Lab-I | Electronic Devices & Circuits Practical |
| V | 1. | Generation, Transmission & Switch gear | Power System-I |
| | 2. | Electronics-II | Digital Electronics & Microprocessor (G Scheme) |
| | 3. | Control & Maintenance of machines | Control of Electrical machines |
| | 4. | Electronics Lab-II | Digital electronics & Microprocessor Lab (G Scheme) |
| | 5. | Control & Maintenance of machines Lab | Control of Electrical machines Lab |
| | 6. | Wiring, Winding & Estimating | Wiring, Winding & Estimating Lab (D Scheme) |
| VI | 1. | Computer Programming & Applications | Basics of Computer Science of I Year (J Scheme) |
| | 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 (G Scheme) |
| | | 4.Static Relays & Protection | Static Relays & Protection (G Scheme) |
| | 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)

| 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. |
|------------|-------------|---|---|
| III | 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(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 & Instrumentation |
| | 4. | Electrical Machine Drawing | Electrical Machine Drawing (G Scheme) |
| | 5. | Electrical Machines-II Lab | Electrical Machines & Instrumentation Lab |
| | 6. | Electronic Devices & Circuits Lab | Electronic Devices & Circuits Practical |
| V | 1. | Generation, Transmission & Switch gear | Power System-I |
| | 2. | Digital Electronics & Microprocessor | Digital Electronics & Microprocessor(G Sch) |
| | 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 | Non-Conventional Energy Source(J Scheme) |
| | 4. | Wiring & Winding Lab | Wiring, Winding & Estimation Lab(J Scheme) |
| | 5. | Digital electronics &MicroprocessorLab | Digital electronics & Microprocessor Lab (G) |
| | 6. | Elective Practical-I | Elective Practical I(as per theory scheme) |
| VI | 1. | Distribution & utilization | Power system-II |
| | 2. | Electrical Estimation | Electrical Estimation (G Scheme) |
| | 3. | Elective Theory –II | |
| | | 1.Industrial Electronics | Power Electronics |
| | | 2.Microprocessor & Applications | Microprocessor & Applications (G Scheme) |
| | | 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)

| SEM | S.NO | J Scheme (I year Admission 2003-04) | Relevant papers in which the candidate has to write in April 2012 and October 2012 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 LabI | 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 & Instrumentation |
| | 3. | Basics of Mechanical Engineering | Basics of Mechanical Engineering(J Scheme) |
| | 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 |
| V | 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(J Scheme) |
| | | 4.Electrical Machine Design | Electrical Machine Design |
| | 4. | Wiring, Winding & Estimation Lab | Wiring, Winding & Estimation Lab(J Scheme) |
| | 5. | Analog & Digital Electronics Lab | Analog & Digital Electronics Practical |
| | 6. | Elective Practical-I | Elective Practical I(as per theory scheme) |
| VI | 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++ (J Scheme) |
| | | 4.Computer Hardware Servicing | Computer Hardware Servicing (J Scheme) |
| | 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. |
|------------|------|--|--|
| III | 1. | Mathematics | Mathematics (D Scheme) |
| | 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 (J Scheme) |
| | 5. | Devices Lab | Electronic Devices & Circuits lab |
| | 6. | Circuits & Machines Lab | Electronic Devices & Circuits lab |
| IV | 1. | Electronic Circuits | Electronic Devices & Circuits |
| | 2. | Measurements & Instrumentation | Electric Circuits & Instrumentation |
| | 3. | Network, Antenna & Propagation | Network, Antenna & Propagation (D Scheme) |
| | 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 (D Scheme) |
| V | 1. | Micro Electronics | Analog & Digital Electronics |
| | 2. | Communication System | Communication Engineering |
| | 3. | Elective Theory-I | |
| | | 1.Microwave Engineering | Microwave Engineering (D Scheme) |
| | | 2.Television Engineering | Television Engineering |
| | | 3.Medical Electronics | Bio-Medical Instrumentation |
| | | 4,PCB Design & Fabrication | PCB Design (D Scheme) |
| | 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) |
| VI | 1. | Microprocessor & its Application | Microprocessor & Applications (G Scheme) |
| | 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 System |
| | | 3.Instrumentation & Control Systems | Instrumentation & Control Systems (D Scheme) |
| | | 4.Advanced Communication Engineering | Advanced Communication System |
| | 4. | Microprocessor Lab | Microprocessor Lab (G Scheme) |
| | 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)

| 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. |
|------------|-------------|---|---|
| III | 1. | Mathematics | Mathematics (D Scheme) |
| | 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 (J Scheme) |
| | 5. | Devices Lab | Electronic Devices & Circuits lab |
| | 6. | Circuits & Machines Lab | Electronic Devices & Circuits lab |
| IV | 1. | Electronic Circuits | Electronic Devices & Circuits |
| | 2. | Measurements & Instrumentation | Electric Circuits & Instrumentation |
| | 3. | Network, Antenna & Propagation | Network, Antenna & Propagation (D Scheme) |
| | 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 (D Scheme) |
| V | 1. | Micro Electronics | Analog & Digital Electronics |
| | 2. | Communication System | Communication Engineering |
| | 3. | Elective Theory-I | |
| | | 1.Microwave Engineering | Microwave Engineering (D Scheme) |
| | | 2.Television Engineering | Television Engineering |
| | | 3.Medical Electronics | Bio-Medical Instrumentation |
| | | 4,PCB Design & Fabrication | PCB Design (D Scheme) |
| | 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) |
| VI | 1. | Microprocessor & its Application | Microprocessor & Applications (G Scheme) |
| | 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 System |
| | | 3.Instrumentation & Control Systems | Instrumentation & Control Systems (D Scheme) |
| | | 4.Advanced Communication Engineering | Advanced Communication System |
| | 4. | Microprocessor Lab | Microprocessor Lab (G Scheme) |
| | 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)

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

| 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. |
|------------|-------------|---|---|
| III | 1. | Circuits & Machines | Electric Circuits & Instrumentation |
| | 2. | Electronic Devices & Components | Electronic Devices & Circuits |
| | 3. | C++ Programming | C++ Programming (J Scheme) |
| | 4. | Circuits & Machines Lab | Electric Circuits & Instrumentation Lab |
| | 5. | Electronic Devices & Components Lab | Electronic Devices & Circuits Lab |
| | 6. | C++ Programming Lab | C++ Programming Lab (J Scheme) |
| IV | 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 |
| V | 1. | Microprocessor & Applications | Microprocessor & Applications (G scheme) |
| | 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 | IE & CE Lab |
| | 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 | Power Electronics (J Scheme) |
| | | 2.Computer Installation & Servicing | Computer Hardware & Networking |
| | | 3.Surface Mount Technology | Surface Mount Technology(J Scheme) |
| | 4. | Industrial Electronics Lab | IE & CE 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)

| SEM | S.NO | J Scheme (I year Admission 2003-04) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|------------|-------------|---|---|
| III | 1. | Electrical Circuits & Machines | Electric Circuits & Instrumentation |
| | 2. | Electronic Devices & Components | Electronic Devices & Circuits |
| | 3. | C++ Programming | C++ Programming (J Scheme) |
| | 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 (J Scheme) |
| IV | 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 |
| V | 1. | Communication Engineering | Communication Engineering |
| | 2. | Microcontrollers & Advanced Microprocessors | Microprocessor and Microcontroller |
| | 3. | Elective Theory-I | |
| | | 1.Surface Mount Technology | Surface Mount Technology(J Scheme) |
| | | 2.Computer Installation & Servicing | Computer Hardware & Networking |
| | | 3.Bio-Medical Instrumentation | Bio-Medical Instrumentation |
| | | 4.Power Electronics | Power Electronics (J Scheme) |
| | 4. | Communication Engineering Lab | IE & CE Lab |
| | 5. | Microcontrollers & Microprocessors Lab | Microprocessor and Microcontroller Lab |
| | 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 & 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. |
|------------|------|---|--|
| III | 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) |
| IV | 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) |
| V | 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) |
| VI | 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)

| SEM | S.NO | New Scheme (NS) [D Scheme] (I year Admission 1992-93) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|------------|------------------------|---|---|
| III | 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) |
| IV | 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) |
| V | 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) |
| VI | 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 | COBOL 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)

| 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. |
|------------|-------------|---|---|
| III | 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 (J Scheme) |
| IV | 1. | Microprocessors | Microprocessors(G Scheme) |
| | 2. | C++ Programming | C++ Programming (J Scheme) |
| | 3. | Computer Architecture | Computer Architecture & Assembly Language Programming |
| | 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 & Security |
| | 2. | Relational Database Management Systems | Relational Database 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 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) |
| VI | 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(G Scheme) |
| | | 3.COBOl Programming | COBOl Programming (G Scheme) |
| | 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)

| SEM | S.NO | J Scheme (I year Admission 2003-04) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|------------|--|---|---|
| III | 1. | Electronics Circuits & Microprocessor | Basics of Electrical & Electronics Engineering |
| | 2. | C++ Programming | C++ Programming (J Scheme) |
| | 3. | System Programming | Operating Systems |
| | 4. | Electronics Circuits & Microprocessor Lab | Electrical & Electronics Laboratory |
| | 5. | C++ Programming Lab | C++ Programming Lab (J Scheme) |
| | 6. | Software Lab | Software Lab (J Scheme) |
| IV | 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 (J Scheme) |
| | 5. | Data Structures Lab (Implementation in C) | C & Data Structures Laboratory |
| | 6. | Visual Basic Programming Lab | Visual Basic Programming Lab (J Scheme) |
| V | 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(J Scheme) |
| | | 3. Computer Graphics | Computer Graphics (J Scheme) |
| 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) | |
| VI | 1. | Computer Installation & Servicing | PC Hardware & Servicing |
| | 2. | Principles of Modern Communication System | Principles of Modern Communication System (J Scheme) |
| | 3. | Elective Theory-II | |
| | | 1.Web Technology | Internet Concepts & Web Design |
| | | 2.Multimedia | Multimedia Systems |
| | | 3.Linux Programming & Administration | Linux Programming & Administration (J Scheme) |
| 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. |
|------------|------|--|--|
| 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 Laboratory |
| | 5. | Operating Systems Lab | Software Lab (J Scheme) |
| | 6. | PC Packages Lab | Software Lab (J Scheme) |
| IV | 1. | Networks | Computer Networks & Security |
| | 2. | Database Management Systems | Database Management Systems (G Scheme) |
| | 3. | C++ Programming | C++ Programming (J Scheme) |
| | 4. | Networks Lab | Computer Networks & Security Laboratory |
| | 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 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) |
| VI | 1. | Software Engineering | Software Engineering (G Scheme) |
| | 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 | PC Hardware & Servicing |
| VI | 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)

| SEM | S.NO | J Scheme (I year Admission 2003-04) | Relevant papers in which the candidate has to write in April 2012 and October 2012 Board Examinations. |
|------------|-------------|---|---|
| III | 1. | Electronics Circuits & Microprocessor | Basics of Electrical & Electronics Engineering |
| | 2. | C++ Programming | C++ Programming (J Scheme) |
| | 3. | System Programming | Operating Systems |
| | 4. | Electronics Circuits & Microprocessor Lab | Electrical & Electronics Laboratory |
| | 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 | C & Data Structures |
| | 3. | Management Information System | Management Information System |
| | 4. | Computer Graphics Lab | Computer Graphics Lab (J Scheme) |
| | 5. | Data Structures Lab (Implementation in C) | C & Data Structures Laboratory |
| | 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 Management Systems |
| | 3. | Elective Theory-I | |
| | | 1.Linux Programming & Administration | Linux Programming & Administration (J Scheme) |
| | | 2.Visual C++ Programming | Visual C++ Programming(J Scheme) |
| | | 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) |
| VI | 1. | Web Technology | Internet Concepts & Web Design |
| | 2. | Networks & Administration | Computer Networks & Security |
| | 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 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