

DEPARTMENT OF TECHNICAL EDUCATION

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| From Additional Director(Examination) (FAC), Directorate of Technical Education, Chennai 600 025 | To The Principals of All Government, Government Aided and Self-Financing Polytechnic Colleges and Special Institutions |
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Letter No. 002681/ Y3/CDC/2022 dated: 29.01.2022

Sir/Madam,

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| Sub: | Technical Education – Diploma Examinations –Grace chance for the old Diploma level students to appear for the Board Examinations October 2021(to be held during January to February 2022)– Relevant papers – Intimation - Reg. |
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The Government has issued orders for granting permission to conduct the grace chance for the old Diploma Students of OR, NR, RR, RS(C), NS (D), G, J, K and L to appear for the Board Examinations for October 2021 to be held during January to February 2022.

The relevant papers for the major courses from OR, NR, RR, RS(C), NS(D), G, J, K and L Scheme and for allied courses in which the grace chance student must write the October 2021 examination is enclosed.

You are requested to disseminate the information to the old students by displaying it in the College Notice Board.

Encl: Annexure(in the next page)

Sd/-
Additional Director (Exam) (FAC)

GRACE CHANCE

RELEVANT

PAPER

OCTOBER 2021

Annexure
RELEVANT PAPER FOR GRACE CHANCE
October 2021- BOARD EXAMINATION

FIRST YEAR

REVISED REGULATION (1985-1989)

| SEM | Sl. No. | Revised Regulation (RR) (Implemented academic year 1984-85) | Relevant papers in which the candidate must write in October 2021 Board Examinations. |
|---------------|----------------|--|--|
| I Year | 1. | English-I | 30021 - Communication English – II(M Scheme) |
| | 2. | English-II | 30021 - Communication English – II(M- Scheme) |
| | 3. | Mathematics – I | 40012 - Engineering Mathematics -I (N Scheme) |
| | 4. | Mathematics – II | 40022 - Engineering Mathematics-II(N Scheme) |
| | 5. | Physics | 40023 - Engineering Physics – II (N Scheme) |
| | 6. | Chemistry | 40024 - Engineering Chemistry – II(N Scheme) |
| | 7. | Technical Drawing | 40025 - Engineering Graphics –II (N Scheme) |
| | 8. | Physics Practical | 40006 Physics Practical (N Scheme) |
| | 9. | Chemistry Practical | 40007 Chemistry Practical (N Scheme) |
| | 10. | Workshop | 30018 - Workshop Practice (MScheme) |

C' SCHEME (1988 – 1993)

For All Branches except Computer science & Engineering

| SEM | Sl. No. | Revised Scheme (RS) (C Scheme) (Implemented academic year 1987-88) | Relevant papers in which the candidate must write in October 2021 Board Examinations. |
|--|---------|---|--|
| I Year | 1. | English-I | 30021 - Communication English – II |
| | 2. | English-II | 30021 - Communication English – II |
| | 3. | Mathematics – I | 40012 - Engineering Mathematics –I (N Scheme) |
| | 4. | Mathematics – II | 40022 - Engineering Mathematics-II (N Scheme) |
| | 5. | Physics | 40023 - Engineering Physics – II (N Scheme) |
| | 6. | Chemistry | 40024 - Engineering Chemistry – II (N Scheme) |
| | 7. | Technical Drawing | 40025 - Engineering Graphics -II (N Scheme) |
| | 8. | Physics Practical | 40006 Physics Practical (N Scheme) |
| | 9. | Chemistry Practical | 40007 Chemistry Practical (N Scheme) |
| | 10. | Workshop | 30018 - Workshop Practice (M Scheme) |
| <u>I Year</u> <u>Computer Science & Engineering</u> | | | |
| | 01 | English-I | 30021 - Communication English – II (M Scheme) |
| | 02 | English-II | 30021 - Communication English – II (M Scheme) |
| | 03 | Applied Mathematics | 40022 - Engineering Mathematics-II (N Scheme) |
| | 04 | Electronics Devices & Components | 4052310 - Basics of Electrical & Electronics Engineering III Sem Computer Engg(N Scheme) |
| | 05 | Introduction to Computers | 4052330 - C programming and data structure III Sem Computer Engg(N Scheme) |
| | 06 | Programming in BASIC | 4052330 - C programming and data structure III Sem Computer Engg(N Scheme) |
| | 07 | Basics of Engineering | 4052310 - Basics of Electrical & Electronics Engineering III Sem Computer Engg(N Scheme) |
| | 08 | Engineering Technical Drawing | 40025 - Engineering Graphics -II (N Scheme) |
| | 09 | BASIC Programming Lab | BASIC Programming Lab (D scheme) |
| | 10 | Electronics Devices & Components Lab | 4052340 – Electrical & Electronics Engineering Practical III Sem Computer Engg(N Scheme) |

'D' SCHEME (1992 – 2000)

| SEM | Sl.No. | New Scheme [D Scheme] (Implemented academic year 1991-92) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| I Year | 1. | English-I | 30021 - Communication English – II (M Scheme) |
| | 2. | English-II | 30021 - Communication English – II (M Scheme) |
| | 3. | Mathematics – I | 40012 - Engineering Mathematics –I (N Scheme) |
| | 4. | Mathematics – II | 40022 - Engineering Mathematics-II (N Scheme) |
| | 5. | Physics | 40023 - Engineering Physics – II (N Scheme) |
| | 6. | Chemistry | 40024 - Engineering Chemistry – II (N Scheme) |
| | 7. | Technical Drawing | 40025 - Engineering Graphics -II (N Scheme) |
| | 8. | Physics Practical | 40006 Physics Practical (N Scheme) |
| | 9. | Chemistry Practical | 40007 Chemistry Practical (N Scheme) |
| | 10. | Workshop | 30018 - Workshop Practice (M Scheme) |

'G' SCHEME (1999-2004)

| SEM | Sl. No. | G Scheme (Implemented academic year 1998-99) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|---------|---|---|
| I Year | 1. | English | 30021 - Communication English – II (M Scheme) |
| | 2. | Basics of Computer Science | 4052330 - C programming and data structure III Sem Computer Engg |
| | 3. | Mathematics – I | 40012 - Engineering Mathematics –I(N Scheme) |
| | 4. | Mathematics – II | 40022 - Engineering Mathematics-II(N Scheme) |
| | 5. | Physics | 40023 - Engineering Physics – II (N Scheme) |
| | 6. | Chemistry | 40024 - Engineering Chemistry – II(N Scheme) |
| | 7. | Technical Drawing | 40025 - Engineering Graphics -II (N Scheme) |
| | 8. | Physics Practical | 40006 Physics Practical (N Scheme) |
| | 9. | Chemistry Practical | 40007 Chemistry Practical (N Scheme) |
| | 10. | Workshop | 30018 - Workshop Practice (M Scheme) |

‘J’ SCHEME (2003 – 2008)

| SEM | Sl. No. | J Scheme (Implemented academic year 2002-03) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|---------------|---------|---|--|
| I Year | 1. | English | 30021 - Communication English – II (M Scheme) |
| | 2. | Basics of Computer Science | 4052330 - C programming and data structure III Sem Computer Engg(N Scheme) |
| | 3. | Mathematics – I | 40012 - Engineering Mathematics –I (N Scheme) |
| | 4. | Mathematics – II | 40022 - Engineering Mathematics-II (N Scheme) |
| | 5. | Applied Physics | 40023 - Engineering Physics – II (N Scheme) |
| | 6. | Applied Chemistry | 40024 - Engineering Chemistry – II (N Scheme) |
| | 7. | Technical Drawing | 40025 - Engineering Graphics -II (N Scheme) |
| | 8. | Applied Physics Practical | 40006 Physics Practical (N Scheme) |
| | 9. | Applied Chemistry Practical | 40007 Chemistry Practical (N Scheme) |
| | 10 | Workshop | 30018 - Workshop Practice (M Scheme) |
| | 11. | English Communication Practical | Circuit branches – IV semester – Life and Employability skill practical. Others - V Sem. Life and Employability skill practical |

‘K’ SCHEME (2007 – 2011)

| SEM | Sl. No. | K Scheme (Implemented academic year 2007-08) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|----------------|---|--|
| I | 1. | Communication English -I | 30011 - Communication English -I (M Scheme) |
| | 2. | Mathematics | 40012 - Engineering Mathematics -I (N Scheme) |
| | 3. | Engineering Physics-I | 40013 - Engineering Physics-I (N Scheme) |
| | 4. | Engineering Chemistry-I | 40014 - Engineering Chemistry-I (N Scheme) |
| | 5. | Engineering Graphics | -- |
| | 6. | Physics Practical | -- |
| | 7. | Chemistry Practical | -- |
| | 8. | Computer Application | -- |
| | 9. | Workshop Practice | -- |
| II | 1. | Communication English -II | 30021 - Communication English –II(M Scheme) |
| | 2. | Applied Mathematics | 40022 - Engineering Mathematics-II(N Scheme) |
| | 3. | Engineering Physics-II | 40023 - Engineering Physics – II (N Scheme) |
| | 4. | Engineering Chemistry-II | 40024 - Engineering Chemistry – II (N Scheme) |
| | 5. | Engineering Graphics | 40025 - Engineering Graphics -II (N Scheme) |
| | 6. | Physics Practical | 40006 Physics Practical (N Scheme) |
| | 7. | Chemistry Practical | 40007 Chemistry Practical (N Scheme) |
| | 8. | Computer Application | 40002 Computer Application (N Scheme) |
| | 9. | Workshop Practice | 30018 - Workshop Practice (M Scheme) |

‘L’ SCHEME (2012 – 2015)

| SEM | Sl. No. | L Scheme (Implemented academic year 2011-12) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----------|---------|---|---|
| I | 1. | Communication English -I | 30011 - Communication English -I (M Scheme) |
| | 2. | Engineering Mathematics-I | 40012 - Engineering Mathematics -I (N Scheme) |
| | 3. | Engineering Mathematics-II | 40012 - Engineering Mathematics -I (N Scheme) |
| | 4. | Engineering Physics-I | 40013 - Engineering Physics-I (N Scheme) |
| | 5. | Engineering Chemistry-I | 40014 - Engineering Chemistry-I (N Scheme) |
| | 6. | Engineering Graphics-I | 40015 – Engineering Graphics I (N Scheme) |
| | 7. | Engineering Physics-I Practical | 40006 Physics Practical (N Scheme) |
| | 8. | Engineering Chemistry -I Practical | 40007 Chemistry Practical (N Scheme) |
| II | 1. | Communication English -II | 30021 - Communication English –II(M Scheme) |
| | 2. | Engineering Mathematics-III | 40022 - Engineering Mathematics-II (N Scheme) |
| | 3. | Engineering Mathematics-IV | 30023 -Applied Mathematics(M Scheme) |
| | 4. | Engineering Physics-II | 40023 - Engineering Physics – II (N Scheme) |
| | 5. | Engineering Chemistry-II | 40024 - Engineering Chemistry – II (N Scheme) |
| | 6. | Engineering Graphics-II | 40025 - Engineering Graphics –II (N Scheme) |
| | 7. | Engineering Physics-II Practical | 40006 Physics Practical (N Scheme) |
| | 8. | Engineering Chemistry -II Practical | 40007 Chemistry Practical (N Scheme) |
| | | | Workshop Practice |

‘M’ SCHEME (2016 – 2020)

| SEM | Sl. No. | M Scheme (Implemented academic year 2015-2016) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----------|---------|---|---|
| I | 1. | Communication English -I | 30011-- Communication English –I(M Scheme) |
| | 2. | Engineering Mathematics - I | 40012 - Engineering Mathematics -I (N Scheme) |
| | 3. | Engineering Physics-I | 40013 - Engineering Physics-I (N Scheme) |
| | 4. | Engineering Chemistry-I | 40014 - Engineering Chemistry-I (N Scheme) |
| | 5. | Engineering Graphics I | 40015 – Engineering Graphics I (N Scheme) |
| | 6. | Engineering Physics I Practical | 40006 Engineering Physics Practical |
| | 7. | Engineering Chemistry I Practical | 40007 Engineering Chemistry Practical |
| | 8. | Workshop Practice | 30018 -- Workshop Practice(M Scheme) |
| II | 1. | Communication English -II | 30021-- Communication English –II(M Scheme) |
| | 2. | Engineering Mathematics - II | 40022 - Engineering Mathematics-II (N Scheme) |
| | 3. | Applied Mathematics | 30023 -Applied Mathematics (M Scheme) |
| | 4. | Engineering Physics-II | 40023 - Engineering Physics – II (N Scheme) |
| | 5. | Engineering Chemistry-II | 40024 - Engineering Chemistry – II (N Scheme) |
| | 6. | Engineering Graphics II | 40025 - Engineering Graphics –II (N Scheme) |
| | 7. | Engineering Physics II Practical | 40006 Engineering Physics Practical (N Scheme) |
| | 8. | Engineering Chemistry II Practical | 40007 Engineering Chemistry Practical (N Scheme) |

CIVIL ENGINEERING
REVISED REGULATION (1985- 1989)

| SEM | Sl. No. | Revised Regulation (RR) (I year Admission 1984-85) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|----------------|--|--|
| III | 1. | Engineering Mechanics | 4010310-Mechanics of Solids(N Scheme) |
| | 2. | Construction Materials & Practice | 4010320-Construction Materials & Construction Practice (N Scheme) |
| | 3. | Transportation Engineering | Transportation Engineering (M Scheme) |
| | 4. | Civil Engineering Drawing I | 4010340-BUILDING PLANNING AND DRAWING(N Scheme) |
| | 5. | Materials Testing Lab | 4010360-MATERIAL TESTING LABORATORY – I(N Scheme) |
| | 6. | Transportation Engineering Lab | CAD in Civil Engineering Drawing –I (M Scheme) |
| IV | 1. | Hydraulics & Irrigation Engineering | Hydraulics (M Scheme) |
| | 2. | Survey Theory I | Surveying-II (M Scheme) |
| | 3. | Introduction to Computer Programming | 4052330- C Programming and Data Structure (N Scheme) of III Sem Computer Engg(N Scheme) |
| | 4. | Quantity Surveying I | Estimating and Costing – I (M Scheme) |
| | 5. | Hydraulics Lab | Hydraulics & Plumbing Lab (M Scheme) |
| | 6. | Survey Practical-I | Surveying Practice-I (M Scheme) |
| V | 1. | Structural Engineering | Structural Engineering (M Scheme) |
| | 2. | Environmental Engineering | Environmental Engineering and Pollution Control (M Scheme) |
| | 3. | Survey Theory II | Surveying-II (M Scheme) |
| | 4. | Civil Engineering Drawing II | CAD in Civil Engineering Drawing –II (M Scheme) |
| | 5. | Environmental Engineering Lab | Environmental Engineering Lab (D Scheme) |
| | 6. | Survey Practical II | Surveying Practice-I (M Scheme) |
| VI | 1. | Mechanics of Structures | Theory of Structures (M Scheme) |
| | 2. | Construction Management | Construction Management with MIS (M Scheme) |
| | 3. | Elective Theory | |
| | | 1.Concrete Structure & Technology | Structural Engineering (M Scheme) |
| | | 2.Building Technology & Services | Structural Engineering (M Scheme) |
| | | 3.Industrial Structures | Industrial Structures (C Scheme) |
| | 4. | Quantity Surveying-II | Estimating and Costing – I (M Scheme) |
| | 5. | Construction Practice Lab | Construction Practice Lab (M Scheme) |
| | 6. | Project Work | Project Work (M Scheme) |

‘C’ SCHEME (1988-1993)

| SEM | Sl. No. | Revised Scheme (RS) [C Scheme] (I year Admission 1987-88) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|---------|--|---|
| III | 1. | Engineering Mechanics | 4010310-Mechanics of Solids (N Scheme) |
| | 2. | Construction Materials & Practice | 4010320-Construction Materials & Construction Practice (N Scheme) |
| | 3. | Transportation Engineering | Transportation Engineering (M Scheme) |
| | 4. | Civil Engineering Drawing I | 4010340-BUILDING PLANNING AND DRAWING(N Scheme) |
| | 5. | Materials Testing Lab | 4010360-MATERIAL TESTING LABORATORY – I(N Scheme) |
| | 6. | Transportation Engineering Lab | CAD in Civil Engineering Drawing –I (M Scheme) |
| IV | 1. | Hydraulics & Irrigation Engineering | Hydraulics (M Scheme) |
| | 2. | Survey Theory I | Surveying II (M Scheme) |
| | 3. | Introduction to Computer Programming | 4052330- C Programming and Data Structure (N Scheme) of III Sem Computer Engg (N Scheme) |
| | 4. | Quantity Surveying I | Estimating and Costing I (M Scheme) |
| | 5. | Hydraulics Lab | Hydraulics & Plumbing Lab (M Scheme) |
| | 6. | Survey Practical-I | Surveying Practice-I (M Scheme) |
| V | 1. | Structural Engineering | Structural Engineering (M Scheme) |
| | 2. | Environmental Engineering | Environmental Engineering and Pollution Control (M Scheme) |
| | 3. | Survey Theory II | Surveying II (M Scheme) |
| | 4. | Civil Engineering Drawing II | CAD in Civil Engineering Drawing –II (M Scheme) |
| | 5. | Environmental Engineering Lab | Environmental Engineering Lab (D Scheme) |
| | 6. | Survey Practical II | Surveying Practice-I (M Scheme) |
| VI | 1. | Mechanics of Structures | Theory of Structures (M Scheme) |
| | 2. | Construction Management | Construction Management with MIS (M Scheme) |
| | 3. | Elective Theory | |
| | | 1.Concrete Structure & Technology | Structural Engineering (M Scheme) |
| | | 2.Building Technology & Services | Structural Engineering (M Scheme) |
| | | 3.Industrial Structures | Industrial Structures (C Scheme) |
| | 4. | Quantity Surveying-II | Estimating and Costing I (M Scheme) |
| | 5. | Construction Practice Lab | Construction Practice Lab (M Scheme) |
| | 6. | Project Work | Project Work (M Scheme) |

‘D’ SCHEME (June 1992-October 2000)

| SEM | Sl. No. | New Scheme [D Scheme] (I year Admission 1991-92) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------|--|--|
| III | 1. | Engineering Mechanics & Graphic Statics | 4010310-Mechanics of Solids |
| | 2. | Construction Materials & Practice | 4010320-Construction Materials & Construction Practice |
| | 3. | Surveying & Leveling | Surveying – II (M Scheme) |
| | 4. | Building Drawing | 4010340-BUILDING PLANNING AND DRAWING |
| | 5. | Engineering Mechanics Lab | 4010360-MATERIAL TESTING LABORATORY - I |
| | 6. | Surveying Practical | Surveying Practice-I (M Scheme) |
| IV | 1. | Hydraulics & Irrigation | Hydraulics (M Scheme) |
| | 2. | Transportation Engineering | Transportation Engineering (M Scheme) |
| | 3. | Theodolite Surveying | Surveying – II (M Scheme) |
| | 4. | Transportation Engineering Lab | CAD in Civil Engineering Drawing –I (M Scheme) |
| | 5. | Hydraulics Lab | Hydraulics & Plumbing Lab (M Scheme) |
| | 6. | Survey Practical II | Surveying Practice II (M Scheme) |
| V | 1. | Structural Engineering | Structural Engineering (M Scheme) |
| | 2. | Environmental Engineering & Pollution Control | Environmental Engineering & Pollution Control (M Scheme) |
| | 3. | Construction Management & Entrepreneurship | Construction Management with MIS(M Scheme) |
| | 4. | Irrigation & P.H. Drawing | CAD in Civil Engineering Drawing –II (M Scheme) |
| | 5. | Environmental Engineering lab | Environmental Engineering lab (D Scheme) |
| | 6. | Concrete & Construction Lab | Construction Practice Lab (M Scheme) |
| VI | 1. | Mechanics of Structures | Theory of Structures (M Scheme) |
| | 2. | Computer Programming & Applications | 4052330- CProgramming and Data Structure (N Scheme) of III Sem Computer Engg (N Scheme) |
| | 3. | Estimating & Costing | Estimating and Costing I (M Scheme) |
| | 4. | Structural Drawing & Detailing | CAD in Civil Engineering Drawing –II (M Scheme) |
| | 5. | Computer Programming & Applications Lab | Computer Applications in Civil Engineering Practice (M Scheme) |
| | 6. | Project work | Project work (M Scheme) |

‘G’ SCHEME (1999- 2004)

| SEM | Sl. No. | G Scheme (I year Admission 1998-99) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|---------|---|---|
| III | 1. | Engineering Mechanics | 4010310-Mechanics of Solids |
| | 2. | Construction Materials & Practice | 4010320-Construction Materials & Construction Practice |
| | 3. | Surveying-I | Surveying – II (M Scheme) |
| | 4. | Civil Engineering Drawing-I | 4010340-BUILDING PLANNING AND DRAWING |
| | 5. | Material testing Lab | 4010360-MATERIAL TESTING LABORATORY - I |
| | 6. | Surveying Practice-I | Surveying Practice-I (M Scheme) |
| IV | 1. | Hydraulics | Hydraulics (M Scheme) |
| | 2. | Roads & Railways Engineering | Transportation Engineering (M Scheme) |
| | 3. | Surveying-II | Surveying-II (M Scheme) |
| | 4. | Quantity Surveying & Costing-I | Estimating and Costing I (M Scheme) |
| | 5. | Hydraulics & Plumbing Lab | Hydraulics & Plumbing Lab (M Scheme) |
| | 6. | Surveying Practice-II | Surveying Practice-II (M Scheme) |
| V | 1. | Structural Engineering | Structural Engineering (M Scheme) |
| | 2. | Environmental Engineering & Pollution Control | Environmental Engineering & Pollution Control (M Scheme) |
| | 3. | Elective Theory-I | |
| | | 1.Irrigation Engineering | Water Resources Management (M Scheme) |
| | | 2.Building Services | Building Services(M Scheme) |
| | | 3.Town Planning | Town Planning (M Scheme) |
| | | 4.Rural Engineering Technology | Environmental Engineering and Pollution Control (M Scheme) |
| | 4. | Civil Engineering Drawing-II | CAD in Civil Engineering Drawing –II (M Scheme) |
| | 5. | Computer Application in Civil Engineering | Computer Applications in Civil Engineering (M Scheme) Practice |
| | 6. | Material Testing Lab-II | Material Testing Lab –II (M Scheme) |
| VI | 1. | Theory of Structures | Theory of Structures (M Scheme) |
| | 2. | Construction Management & Entrepreneurship | Construction Management with MIS(M Scheme) |
| | 3. | Elective Theory-II | |
| | | 1.Soil Mechanics & Foundation Engineering | Soil Mechanics and Foundation Engineering (M Scheme) |
| | | 2.Steel Timber & Masonry Structures | Steel Structures(M Scheme) |
| | | 3.Advanced Surveying | Surveying-II (M Scheme) |
| | | 4.Advanced Construction | Advanced Construction Technology (M Scheme) |
| | 4. | Quantity Surveying & Costing II | Estimating and Costing I (M Scheme) |
| | 5. | Construction Practice Lab | Construction Practice Lab (M Scheme) |
| | 6. | Project Work | Project Work(M Scheme) |

'J' SCHEME (2003- 2008)

| SEM | Sl. No. | J Scheme (I year Admission 2002-03) | Relevant paper in which the candidate must write in October 2021 Board Examinations. |
|-----|---|---|--|
| III | 1. | Engineering Mechanics | 4010310-Mechanics of Solids (N Scheme) |
| | 2. | Construction Materials & Practice | 4010320-Construction Materials & Construction Practice (N Scheme) |
| | 3. | Surveying | Surveying – II (M Scheme) |
| | 4. | Civil Engineering Drawing-I | 4010340-BUILDING PLANNING AND DRAWING(N Scheme) |
| | 5. | Material testing Lab | 4010360-MATERIAL TESTING LABORATORY – I(N Scheme) |
| | 6. | Surveying Practice-I | Surveying Practice-I (M Scheme) |
| IV | 1. | Theory of Structures | Theory of Structures (M Scheme) |
| | 2. | Hydraulics | Hydraulics(M Scheme) |
| | 3. | Transportation Engineering | Transportation Engineering (M Scheme) |
| | 4. | Hydraulics Lab Practice | Hydraulics & Plumbing Lab (M Scheme) |
| | 5. | CAD in Civil Engineering Drawing | CAD in Civil Engineering Drawing I(M Scheme) |
| | 6. | Surveying Practice-II | Surveying Practice-II (M Scheme) |
| V | 1. | Structural Engineering | Structural Engineering (M Scheme) |
| | 2. | Estimating & Costing | Estimating & Costing –I (M Scheme) |
| | 3. | Elective Theory-I | |
| | | 1. Elements of Interior Design | 31254 Elements of Interior Design of V ARCH (M Scheme) |
| | | 2. Advanced Construction Technology | Advanced Construction Technology (M Scheme) |
| | | 3. Soil Mechanics & Foundation Engineering | Soil Mechanics and Foundation Engineering (M Scheme) |
| VI | 4. | Civil Engineering Drawing-II | CAD in Civil Engineering Drawing –II (M Scheme) |
| | 5. | Computer Application in Civil Engineering | Computer Applications in Civil Engineering practice (M Scheme) |
| | 6. | Material Testing Lab Practice-II | Material Testing Lab –II (M Scheme) |
| | 1. | Construction Management & Entrepreneurship | Construction Management with MIS (M Scheme) |
| | 2. | Environmental Engineering & Pollution Control | Environmental Engineering & Pollution Control (M Scheme) |
| | 3. | Elective Theory II | |
| | 1. Irrigation Engineering | Water Resources Management (M Scheme) | |
| | 2. Town planning | Town planning (M Scheme) | |
| | 3. Advanced RC Concrete Structure | Structural Engineering (M Scheme) | |
| | 4. Environmental Engineering Lab Practice | Construction Practice lab (M Scheme) | |
| | 5. Construction lab Practice | Construction Practice lab (M Scheme) | |
| | 6. Project Work | Project Work (M Scheme) | |

‘K’ SCHEME (2007- 2011)

| SEM | Sl. No | K Scheme (I year Admission 2007-2008) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---|--|---|
| III | 1. | Engineering Mechanics | 4010310-Mechanics of Solids (N Scheme) |
| | 2. | Construction Materials and Practice | 4010320-Construction Materials and Construction Practice (N Scheme) |
| | 3. | Surveying | Surveying II (M Scheme) |
| | 4. | Civil Engineering Drawing I | 4010340-BUILDING PLANNING AND DRAWING(N Scheme) |
| | 5. | Material Testing Lab Practice I | 4010360-MATERIAL TESTING LABORATORY – I(N Scheme) |
| | 6. | Surveying Practice I | Surveying Practice I (M Scheme) |
| IV | 1. | Theory of Structures | Theory of Structures (M Scheme) |
| | 2. | Environmental Engineering | Environmental Engineering and Pollution Control (M Scheme) |
| | 3. | Transportation Engineering | Transportation Engineering (M Scheme) |
| | 4. | Material Testing Lab Practice II | Material Testing Lab II(M Scheme) |
| | 5. | CAD in Civil Engineering Drawing Practice I | CAD in Civil Engineering Drawing I (M Scheme) |
| | 6. | Surveying Practice II | Surveying Practice II (M Scheme) |
| V | 1. | Structural Engineering | Structural Engineering (M Scheme) |
| | 2. | Quantity Surveying | Estimating and Costing I (M Scheme) |
| | 3. | Elective Theory-I | |
| | | Concrete Technology and Advanced Construction | Advanced Construction Technology (M Scheme) |
| | | Elements of Interior Design | 31254-Elements of Interior Design of V ARCH(M scheme) |
| | 4. | CAD in Civil Engineering Drawing Practice II | CAD In Civil Engineering Drawing II (M Scheme) |
| VI | 5. | Construction Lab Practice | Construction Practice Lab (M Scheme) |
| | 6. | English Communication Practical | Life and Employability Skills Practical(M Scheme) |
| | 1. | Construction Management with MIS | Construction Management with MIS (M Scheme) |
| | 2. | Hydraulics | Hydraulics (M Scheme) |
| | 3. | Elective Theory II | |
| | | Town Planning | Town Planning (M Scheme) |
| | Water Resource Management | Water Resources Management (M Scheme) | |
| 4. | Hydraulics and Plumbing Lab | Hydraulics Lab (M Scheme) | |
| 5. | Computer Application In Civil Engineering | Computer Applications in Civil Engineering practice (M Scheme) | |
| 6. | Project Work | Project Work (M Scheme) | |

‘L’ SCHEME (2011- 2015)

| SEM | Sl. No | L Scheme (I year Admission 2011-2012) | Relevant papers in which the candidate must write in October 2021 Board Examinations. |
|------------|---|---|--|
| III | 1. | Engineering Mechanics | 4010310-Mechanics of Solids (N Scheme) |
| | 2. | Construction Materials and Construction Practice | 4010320-Construction Materials and Construction Practice (N Scheme) |
| | 3. | Surveying I | 4010330-Surveying(N Scheme) |
| | 4. | Civil Engineering Drawing I | 4010340-BUILDING PLANNING AND DRAWING(N Scheme) |
| | 5. | Material Testing Lab I | 4010360-MATERIAL TESTING LABORATORY – I(N Scheme) |
| | 6. | Surveying Practice I | 4010370-SURVEYING PRACTICE – I(N Scheme) |
| | 7. | Computer Application Practical** | 40002-COMPUTER APPLICATION PRACTICAL(N Scheme) |
| IV | 1. | Theory of Structures | Theory of Structures(M Scheme) |
| | 2. | Transportation Engineering | Transportation Engineering(M Scheme) |
| | 3. | Surveying II | Surveying II(M Scheme) |
| | 4. | Estimating and Costing I | Estimating and Costing I(M Scheme) |
| | 5. | Material Testing Lab II | Material Testing Lab II(M Scheme) |
| | 6. | Surveying Practice II | Surveying Practice II(M Scheme) |
| | 7. | CAD in Civil Engineering Drawing I | CAD in Civil Engineering Drawing I(M Scheme) |
| V | 1. | Structural Engineering | Structural Engineering(M Scheme) |
| | 2. | Environmental Engineering and Pollution Control | Environmental Engineering and Pollution Control(M Scheme) |
| | 3. | Elective Theory-I | |
| | | Advanced Construction Technology | Advanced Construction Technology(M Scheme) |
| | | Remote Sensing and GIS | Remote Sensing and GIS(M Scheme) |
| | | Soil Mechanics and Foundation Engineering | Soil Mechanics and Foundation Engineering(M Scheme) |
| | | Water Resources Management | Water Resources Management(M Scheme) |
| | 4. | Civil Engineering Drawing II | Civil Engineering Drawing II (M Scheme) |
| | 5. | Construction Lab Practice | Construction Practice Lab (M Scheme) |
| | 6. | CAD In Civil Engineering Drawing II | CAD In Civil Engineering Drawing II (M Scheme) |
| 7. | Communication and Life Skills Practical | Life and Employability Skills Practical (M Scheme) | |
| VI | 1. | Construction Management with MIS | Construction Management with MIS (M Scheme) |
| | 2. | Hydraulics | Hydraulics (M Scheme) |
| | 3. | Elective Theory II | |
| | | Steel Structures | Steel Structures (M Scheme) |
| | | Town Planning | Town Planning (M Scheme) |
| | | Earthquake Engineering | Earthquake Engineering (M Scheme) |
| | Building Services | Building Services(M Scheme) | |

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| | 4. | Estimating And Costing II | Estimating And Costing II (M Scheme) |
| | 5. | Hydraulics and Plumbing Lab | Hydraulics Lab (M Scheme) |
| | 6. | Computer Applications In Civil Engineering Practice | Computer Applications In Civil Engineering Practice(M Scheme) |
| | 7. | Project Work | Project Work(M Scheme) |

MECHANICAL ENGINEERING
REVISED REGULATION (1985-1989)

| SEM | SL. No | Revised Regulation (RR) (I year Admission 1984-85) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|------------------------------------|--|--|
| III | 1. | Engineering Mechanics | 4020310-Strength of Materials (N Scheme) |
| | 2. | Production Technology-I | 4020330-Manufacturing Technology – I(N Scheme) |
| | 3. | Heat Power Engineering-I | Heat Power Engineering (M Scheme) |
| | 4. | Machine Drawing | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Engineering Mechanics Lab | Strength of Materials and Fluid Mechanics Practical (M Scheme) |
| | 6. | Workshop(Foundry & Welding) | 4020360- Manufacturing Technology - I Practical(N Scheme) |
| IV | 1. | Fluid Mechanics & Machines | Fluid Mechanics & Fluid Power (M Scheme) |
| | 2. | Material science | Manufacturing Processes (M Scheme) |
| | 3. | Electrical & Electronics Engineering | Electrical Drives & Control (M Scheme) |
| | 4. | Machine Design & Drawing | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Fluid Mechanics & Machines Lab | Strength of Materials and Fluid Mechanics Practical (M Scheme) |
| | 6. | Electrical & Electronics lab | Electrical Drives & Control Practical (M Scheme) |
| V | 1. | Heat Power Engineering II | Heat Power Engineering (M Scheme) |
| | 2. | Production Technology II | Special Machines (M Scheme) |
| | 3. | Introduction to Computer Programming | C Programming and Data Structure of III Sem Computer Engg (4052330) (N Scheme) |
| | 4. | Heat Power Engineering Lab | Thermal and Automobile Engineering Practical (M Scheme) |
| | 5. | Workshop, Lathe Work | Workshop II(Turning, Drilling & Shaping) (K Scheme) |
| | 6. | Special Machines I | Special Machines Practical (M Scheme) |
| VI | 1. | Industrial Management | Industrial Engineering and Management (M Scheme) |
| | 2. | Production Technology III | Special Machines (M Scheme) |
| | 3. | Elective Theory | |
| | | 1.Automobile Technology | Thermal and Automobile Engineering (M Scheme) |
| | | 2.Refrigeration & Air conditioning | Refrigeration & Air conditioning (M Scheme) |
| | | 3.Metallurgy | Physical Metallurgy of Foundry(SW) 4921330 (N Scheme) |
| | | 4.Machine Shop Technology | Special Machines (M Scheme) |
| | | 5.Welding Technology | 4020360- Manufacturing Technology - I Practical(N Scheme) |
| | | 6.Agriculture & Farm Equipment Technology | Farm Machinery of Agricultural Technology (32352) (M Scheme) |
| | | 7.Machine Design & Drafting | Design of Machine Elements (M Scheme) |
| | 4. Elective Practical | Elective Practical | |
| | 5. Workshop Special Machines –II | Workshop Special Machines –II (D Scheme) | |
| | 6. Project Work & Entrepreneurship | Project Work (M Scheme) | |

'C' SCHEME (1988- 1993)

| SEM | Sl. No | Revised Scheme(RS)[C SCHEME] (I year Admission 1987-88) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|---------------------------|---|---|
| III | 1. | Engineering Mechanics | 4020310-Strength of materials (N Scheme) |
| | 2. | Production Technology-I | 4020330-Manufacturing Technology – I (N Scheme) |
| | 3. | Heat Power Engineering-I | Heat Power Engineering (M Scheme) |
| | 4. | Machine Drawing | 4020350 - Machine Drawing and CAD Practical (N Scheme) |
| | 5. | Engineering Mechanics Lab | Strength of Materials and Fluid Mechanics Practical (M Scheme) |
| | 6. | Workshop(Foundry & Welding) | 4020360- Manufacturing Technology - I Practical (N Scheme) |
| IV | 1. | Fluid Mechanics & Machines | Fluid Mechanics & Fluid Power (M Scheme) |
| | 2. | Material science | 4020330-Manufacturing Technology – I (N Scheme) |
| | 3. | Electrical & Electronics Engineering | Electrical Drives & Control (M Scheme) |
| | 4. | Machine Design & Drawing | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Fluid Mechanics & Machines Lab | Strength of Materials and Fluid Mechanics Practical (M Scheme) |
| | 6. | Electrical & Electronics lab | Electrical Drives & Control Practical (M Scheme) |
| V | 1. | Heat Power Engineering II | Heat Power Engineering (M Scheme) |
| | 2. | Production Technology II | Special Machines (M Scheme) |
| | 3. | Introduction to Computer Programming | C Programming and Data Structure of III Sem Computer Engg (4052330) (N Scheme) |
| | 4. | Heat Power Engineering Lab | Thermal and Automobile Engineering Practical (M Scheme) |
| | 5. | Workshop, Lathe Work | Workshop II(Turning, Drilling & Shaping) [K Scheme] |
| | 6. | Special Machines I | Special Machines Practical (M Scheme) |
| VI | 1. | Industrial Management | Industrial Engineering and Management (M Scheme) |
| | 2. | Production Technology III | Special Machines (M Scheme) |
| | 3. | Elective Theory | |
| | | 1.Automobile Technology | Thermal and Automobile Engineering (M Scheme) |
| | | 2.Refrigeration & Air conditioning | Refrigeration and Air conditioning (M Scheme) |
| | | 3.Metallurgy | Physical Metallurgy of Foundry(SW) 4921330 (N Scheme) |
| | 4.Machine Shop Technology | Special Machines (M Scheme) | |

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| | | 5.Welding Technology | Manufacturing Processes (M Scheme) |
| | | 6.Agriculture & Farm Equipment Technology | Farm Machinery of Agricultural Technology(32352) |
| | | 7.Machine Design & Drafting | Design of Machine Elements(M Scheme) |
| | 4. | Elective Practical | Elective Practical |
| | 5. | Workshop Special Machines –II | Workshop Special Machines –II (D Scheme) |
| | 6. | Project Work & Entrepreneurship | Project Work (M Scheme) |

‘D’ SCHEME (1992- 2000)

| SEM | SL. NO. | New Scheme [D Scheme] (I year Admission 1991-92) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------|---|--|
| III | 1. | Mechanics of Materials | 4020310-Strength of Materials (N Scheme) |
| | 2. | Manufacturing Process | 4020330-Manufacturing Technology – I (N Scheme) |
| | 3. | Fluid Mechanics & Machines | Fluid Mechanics & Fluid Power(M Scheme) |
| | 4. | Machine Design & Drawing – I | 4020350 - Machine Drawing and CAD Practical (N Scheme) |
| | 5. | Mechanics of Materials lab & Fluid Mechanics & Machines | Strength of Materials and Fluid Mechanics Practical (M Scheme) |
| | 6. | Workshop-Foundry & Welding | 4020360- Manufacturing Technology - I Practical (N Scheme) |
| IV | 1. | Heat Power Engineering | Heat Power Engineering (M Scheme) |
| | 2. | Machine Tool Technology | Special Machines (M Scheme) |
| | 3. | Electrical & Electronics Engineering | Electrical Drives & Control (M Scheme) |
| | 4. | Machine Design & Drawing II | 4020350 - Machine Drawing and CAD Practical (N Scheme) |
| | 5. | Workshop Lathe Work | Workshop II(Turning, Drilling & Shaping) [K Scheme] |
| | 6. | Electrical & Electronics lab | Electrical Drives & Control Practical(M Scheme) |
| V | 1. | Thermal Power Engineering | Heat Power Engineering (M Scheme) |
| | 2. | Industrial Engineering | Industrial Engineering and Management(M Scheme) |
| | 3. | Computer Programming & Applications | C Programming and Data Structure of III Sem Computer Engg (4052330) (N Scheme) |
| | 4. | Thermal Power Engineering Lab | Thermal and Automobile Engineering Practical(M Scheme) |
| | 5. | Computer Programming & Drafting Lab | Computer Programming & Drafting Lab (D Scheme) |
| | 6. | Workshop Special machines I | Special Machines Practical (M Scheme) |
| VI | 1. | Industrial Management | Industrial Engineering and Management(M Scheme) |
| | 2. | Modern Production Process | Special Machines (M Scheme) |
| | 3. | Elective Theory | |
| | | 1.Automobile Technology | Thermal and Automobile Engineering(M Scheme) |
| | | 2.Machine Shop Technology | Special Machines (M Scheme) |
| | | 3.Hydraulics & Pneumatic Power System | Fluid Mechanics and Fluid Power (M Scheme) |
| | | 4.Refrigeration & Air conditioning | Refrigeration and Air conditioning(M Scheme) |
| | | 5.Machine Design & Drafting | Design of Machine Elements (M Scheme) |
| | 4. | Elective Practical | |
| | | Machine Design & Drafting (Written Practical) | Special Machines Practical (M Scheme) |

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| | 5. | Workshop Special Machines II | Workshop Special Machines II(D Scheme) |
| | 6. | Project work | Project Work(M Scheme) |

'G' SCHEME (1999 -2004)

| SEM | SL.N O. | G Scheme (I year Admission 1998-99) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|------------|--|---|
| III | 1. | Mechanics of Materials | 4020310-Strength of Materials (N Scheme) |
| | 2. | Manufacturing Processes | 4020330-Manufacturing Technology – I(N Scheme) |
| | 3. | Fluid Mechanics & Fluid Power | Fluid Mechanics & Fluid Power(M Scheme) |
| | 4. | Machine Drawing I | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Mechanics of Materials & Fluid Mechanics Lab | Strength of Materials and Fluid Mechanics Practical (M Scheme) |
| | 6. | Workshop I (Smithy, Foundry & Welding) | 4020360- Manufacturing Technology - I Practical(N Scheme) |
| IV | 1. | Applied Thermodynamics | Heat Power Engineering (M Scheme) |
| | 2. | Machine Shop Technology | Special Machines (M Scheme) |
| | 3. | Electrical & Electronics Engineering | Electrical Drives & Control (M Scheme) |
| | 4. | AutoCAD Lab | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Electrical & Electronics Engineering Lab | Electrical Drives & Control Practical(M Scheme) |
| | 6. | Workshop II (Lathe & Metrology) | Workshop II(Turning, Drilling & Shaping) (K Scheme) |
| V | 1. | Design of Machine Elements | Design of Machine Elements (M Scheme) |
| | 2. | CAD/CAM | Computer Aided Design and Manufacturing(M Scheme) |
| | 3. | Elective Theory I | |
| | | 1.Jigs,Fixtures& Gauges | Special Machines(M Scheme) |
| | | 2.Refrigeration & Air conditioning | Refrigeration and Air conditioning(M Scheme) |
| | | 3.Welding Technology | Manufacturing Processes (M Scheme) |
| | | 4.Metrology &Machine Tool Testing | Manufacturing Processes (M Scheme) |
| | | 5.Plastic Engineering | Plastic Processing of V Sem Polymer Technology 37551 (M Scheme) |
| | | 6.Press Tools | Press Tools of Mechanical (Tool &Die) 32252 (M Scheme) |
| | | 7.Tool Engineering | Special Machines(M Scheme) |
| | 4. | CAD/CAM Lab | Computer Aided Design and Manufacturing Practical(M Scheme) |

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| | 5. | Elective Practical-I | |
| | | Jigs, Fixtures & Gauges (Written Practical) | Special Machines Practical (M Scheme) |
| | | Press Tools (Written Practical) | 4020360- Manufacturing Technology - I Practical (N Scheme) |
| | | Tool Engineering (Written Practical) | 4020360- Manufacturing Technology - I Practical (N Scheme) |
| | 6. | Workshop III (Planner, Slotter, Shaper etc) | Special Machines Practical (M Scheme) |
| | | | |
| VI | 1. | Industrial Engineering & Management | Industrial Engineering and Management(M Scheme) |
| | 2. | Automobile Technology | Thermal and Automobile Engineering(M Scheme) |
| | 3. | Elective Theory II | |
| | | 1.C++ Programming | C Programming and Data Structure of III Sem Computer Engg (4052330) (N Scheme) |
| | | 2.Farm Equipment Technology | Farm Machinery of Agricultural Technology(32352) (M Scheme) |
| | | 3.Foundry Technology | Moulding Materials and Processes of Foundry(SW) 39153 (M Scheme) |
| | | 4.Metallurgy | 4921330-Physical Metallurgy of Foundry(SW) (N Scheme) |
| | | 5.TQM | Total Quality Management(M Scheme) |
| | | 6.Robotics | Robotics of Electronics (Robotics) / Mechatronics Engineering 34763 |
| | | 7.Process Planning & Cost Estimation | Industrial Engineering And Management |
| | 4. | Auto & Thermal Lab | Thermal and Automobile Engineering Practical |
| | 5. | Elective Practical II | Elective Practical II |
| | | TQM (Written practical) | TQM (Written practical) (G scheme) |
| | | Process Planning and Cost Estimation (Written practical) | Process Planning and Cost Estimation (Written practical) (G scheme) |
| | 6. | Project Work & Seminar | Project Work |

‘J’ SCHEME (2003- 2008)

| SEM | Sl.No. | J Scheme (I year Admission 2002-03) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|--------|--|---|
| III | 1. | Mechanics of Materials | 4020310-Strength of Materials (N Scheme) |
| | 2. | Manufacturing Processes | 4020330-Manufacturing Technology – I(N Scheme) |
| | 3. | Fluid Mechanics & Fluid Power | Fluid Mechanics & Fluid Power(M Scheme) |
| | 4. | Machine Drawing | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Mechanics of Materials & Fluid Mechanics Lab | Strength of Materials and Fluid Mechanics Practical (M Scheme) |
| | 6. | Workshop I (Smithy, Foundry &Welding) | 4020360- Manufacturing Technology - I Practical(N Scheme) |
| IV | 1. | Applied Thermodynamics | Heat Power Engineering (M Scheme) |
| | 2. | Machine Shop Technology | Special Machines (M Scheme) |
| | 3. | Electrical & Electronics Engineering | Electrical Drives &Control (M Scheme) |
| | 4. | Thermodynamics Lab | Thermal and Automobile Engineering Practical(M Scheme) |
| | 5. | Electrical & Electronics Engineering Lab | Electrical Drives & Control Practical(M Scheme) |
| | 6. | Workshop II (Lathe & Metrology) | Workshop II(Turning, Drilling & Shaping) [K Scheme] |
| V | 1. | Design of Machine Elements | Design of Machine Elements (M Scheme) |
| | 2. | Thermal Engineering | Thermal and Automobile Engineering (M Scheme) |
| | 3. | Elective Theory-I | Elective Theory-I |
| | | 1.Foundry Technology | Molding Materials and Processes of Foundry(SW)39153(M Scheme) |
| | | 2.Refrigeration & Air conditioning | Refrigeration and Air conditioning(M Scheme) |
| | | 3.Welding Technology | Manufacturing Processes (M Scheme) |
| | | 4.Metrology &Machine Tool Testing | Manufacturing Processes (M Scheme) |
| | | 5.Farm Equipment Technology | Farm Machinery of Agricultural Technology (32352)(M Scheme) |
| | 4. | AutoCAD Lab | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Elective Practical-I | Elective Practical-I(M Scheme) |
| | 6. | Workshop III (Special Machines) | Special Machines Practical (M Scheme) |
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| VI | 1. | Industrial Engineering & Management | Industrial Engineering and Management(M Scheme) |
| | 2. | CAD/CAM | Computer Aided Design and Manufacturing(M Scheme) |
| | 3. | Elective Theory-II | |
| | | 1.Automobile Technology | Thermal and Automobile Engineering (M Scheme) |
| | | 2.Mechatronics | Robotics(M Scheme) |
| | | 3.Metallurgy | 4921330-Physical Metallurgy of Foundry(SW) (N Scheme) |
| | | 4.Plastic Engineering | Plastic Processing of V Sem Polymer Technology (37551) (M Scheme) |
| | | 5.Robotics | Robotics of Electronics (Robotics) / Mechatronics Engineering 34763 (M Scheme) |
| | 4. | CAD/CAM Lab | Computer Aided Design and Manufacturing Practical(M Scheme) |
| | 5. | Elective Practical II | Elective Practical II(M Scheme) |
| | 6. | Project Work, Entrepreneurship & Personal Skills | Project Work(M Scheme) |

'K' SCHEME (2007- 2011)

| SEM | SL. NO. | K Scheme (I year Admission 2007-08) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. M Scheme |
|------------|--|---|---|
| III | 1. | Mechanics of Materials | 4020310-Strength of Materials (N Scheme) |
| | 2. | Manufacturing Processes | 4020330-Manufacturing Technology – I(N Scheme) |
| | 3. | Fluid Mechanics & Fluid Power | Fluid Mechanics & Fluid Power(M Scheme) |
| | 4. | Machine Drawing - CAD | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Mechanics of Materials & Fluid Mechanics Lab | Strength of Materials and Fluid Mechanics Practical (M Scheme) |
| | 6. | Workshop I (Smithy, Foundry &Welding) | 4020360- Manufacturing Technology - I Practical(N Scheme) |
| IV | 1. | Applied Thermodynamics | Heat Power Engineering (M Scheme) |
| | 2. | Machine Shop Technology | Special Machines (M Scheme) |
| | 3. | Electrical & Electronics Engineering | Electrical Drives & Control(M Scheme) |
| | 4. | Thermodynamics Lab | Thermal and Automobile Engineering Practical (M Scheme) |
| | 5. | Electrical & Electronics Engineering Lab | Electrical Drives & Control Practical(M Scheme) |
| | 6. | Workshop II (Turning, Drilling & Shaping) | Workshop II (Turning, Drilling & Shaping)(K Scheme)(M Scheme) |
| V | 1. | Design of Machine Elements | Design of Machine Elements (M Scheme) |
| | 2. | Thermal Engineering | Thermal and Automobile Engineering (M Scheme) |
| | 3. | Elective Theory-I | |
| | | 1. Refrigeration and air conditioning | Refrigeration and Air-conditioning(M Scheme) |
| | | 2. Metrology, Machine Tool Maintenance and Testing | Manufacturing Processes (M Scheme) |
| | 4. | English Communication Practical | Life & Employability Skills Practical (M Scheme) |
| 5. | Elective Practical -I | | |
| | 1. Refrigeration and air conditioning Lab | Refrigeration and Air-conditioning Practical (M Scheme) | |
| | 2. Metrology, Machine Tool Maintenance and Testing Lab | Machine Tool Testing and Maintenance Practical(M Scheme) | |
| | 6. | Workshop-III (Slotting, Planning, Milling, Grinding & CNC Machines) | Special Machines Practical (M Scheme) |

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| VI | 1. | Industrial Engineering & Management | Industrial Engineering and Management(M Scheme) |
| | 2. | Computer Aided Design and Manufacturing | Computer Aided Design and Manufacturing(M Scheme) |
| | 3. | Elective Theory- II | |
| | | 1. Automobile Technology | Thermal and Automobile Engineering (M Scheme) |
| | | 2. Mechatronics | Robotics(M Scheme) |
| | 4. | Computer Aided Design and Manufacturing Practical | Computer Aided Design and Manufacturing Practical(M Scheme) |
| | 5. | Elective Practical - II | |
| | | 1. Automobile Technology Lab | Thermal and Automobile Engineering Practical(M Scheme) |
| | | 2. Mechatronics Lab | Robotics Practical(M Scheme) |
| | 6. | Project Work, Entrepreneurship, Environment and Disaster Management | Project Work(M Scheme) |

‘L’ SCHEME (2011- 2015)

| SEM | Sl. No | L Scheme (I year Admission 2011-2012) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---|--|---|
| III | 1. | Strength of Materials | 4020310-Strength of Materials(N Scheme) |
| | 2. | Fluid Mechanics & Fluid Power | Fluid Mechanics and Fluid Power(M Scheme) |
| | 3. | Renewable Energy Sources | Renewable Energy Sources and Energy Conservation(M Scheme) |
| | 4. | Machine Drawing | 4020350- Machine Drawing and CAD Practical(N-Scheme) |
| | 5. | Mechanical Testing & Quality Control Practical | Strength of Materials and Fluid Mechanics Practical(M Scheme) |
| | 6. | Fluid Power Practical | Strength of Materials and Fluid Mechanics Practical(M Scheme) |
| | 7. | Computer Applications Practical | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| IV | 1. | Manufacturing Technology – I | 4020330-Manufacturing Technology – I (N-Scheme) |
| | 2. | Thermal Engineering – I | Heat Power Engineering(M Scheme) |
| | 3. | Electrical Drives & Control | Electrical Drives & Control(M Scheme) |
| | 4. | Computer Aided Machine Drawing Practical | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Manufacturing Technology – I Practical | 4020360- Manufacturing Technology - I Practical (N Scheme) |
| | 6. | Metrology & Measurement and Machine Tool Testing Practical | Machine Tool Testing and Maintenance Practical(M Scheme) |
| | 7. | Electrical Drives & Control Practical | Electrical Drives & Control Practical(M Scheme) |
| V | 1. | Thermal Engineering – II | Thermal and Automobile Engineering (M Scheme) |
| | 2. | Manufacturing Technology – II | Special Machines(M Scheme) |
| | 3. | Elective Theory-I | |
| | | Total Quality Management | Total Quality Management(M Scheme) |
| | | Modern Machining Processes | Special Machines(M Scheme) |
| | | Power Plant Engineering | Thermal and Automobile Engineering(M Scheme) |
| | | | |
| | 4. | Design of Machine Elements | Design of Machine Elements(M Scheme) |
| | 5. | Thermal Engineering Practical | Thermal and Automobile Engineering Practical(M Scheme) |
| | 6. | Manufacturing Technology – II Practical | Special Machines Practice(M Scheme) |
| 7. | Communication and Life Skills Practical | Life and Employability Skills Practical(M Scheme) | |
| VI | 1. | Industrial Engineering and Management | Industrial Engineering and Management(M Scheme) |
| | 2. | Computer Integrated Manufacturing | Computer Aided Design and Manufacturing (M Scheme) |

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| | 3. | Elective Theory II | |
| | | Automobile Engineering | Thermal and Automobile Engineering(M Scheme) |
| | | Robotics | Robotics(M Scheme) |
| | | Refrigeration and Air-conditioning | Refrigeration and Air-conditioning(M Scheme) |
| | | Rapid Proto-Typing in Product Design | Rapid Proto-Typing in Product Design (L Scheme) |
| | 4. | Computer Integrated Manufacturing Practical | Computer Aided Design and Manufacturing Practical (M Scheme) |
| | 5. | Process Automation Practical | Process Automation Practical (M Scheme) |
| | 6 | Elective Practical II | |
| | | Automobile Engineering Practical | Thermal and Automobile Engineering Practical(M Scheme) |
| | | Robotics Practical | Robotics Practical (M Scheme) |
| | | Refrigeration and Air-conditioning Practical | Refrigeration and Air-conditioning Practical (M-Scheme) |
| | | Rapid Proto-Typing Practical | Rapid Proto-Typing Practical (L Scheme) |
| | 7. | Project Work | Project Work(M Scheme) |

ELECTRONICS & COMMUNICATION ENGINEERING

REVISED REGULATION (1985- 1989)

| SEM | SL. NO. | Revised Regulation (RR) (I year Admission 1984-85) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------|--|---|
| III | 1. | Mathematics | 40012 - Engineering Mathematics – I of First Sem Diploma (N Scheme) |
| | 2. | Electronic Devices | 4040310 - Electronic Devices & Circuits(N Scheme) |
| | 3. | Components, Circuits & Machines | 4040320-Electrical Circuits & Instrumentation (N Scheme) |
| | 4. | Introduction to Computer Programming | 4040330-Programming in C (N Scheme) |
| | 5. | Devices Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 6. | Circuits & Machines Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| IV | 1. | Electronic Circuits | Electronic Devices & Circuits (M Scheme) |
| | 2. | Measurements & Instrumentation | Electrical Circuits & Instrumentation(M Scheme) |
| | 3. | Network, Antenna & Propagation | Communication Engineering (M Scheme) |
| | 4. | Electronic Circuits Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 5. | Measurements & Instrumentation Lab | 4040350-Electrical Circuits & Instrumentation Practical (N Scheme) |
| | 6. | Electronics Drafting & Tracing Lab | Electronics Drafting & Tracing Lab (D Scheme) |
| V | 1. | Micro Electronics | Digital Electronics(M Scheme) |
| | 2. | Communication System | Communication Engineering(M Scheme) |
| | 3. | Elective Theory-I | |
| | | 1.Microwave Engineering | Advanced Communication Systems(M Scheme) |
| | | 2.Television Engineering | Television Engineering(M Scheme) |
| | | 3.Medical Electronics | Bio-Medical Instrumentation(M Scheme) |
| | | 4,PCB Design & Fabrication | Surface Mount Technology (J-Scheme) |
| | 4. | Micro Electronics Lab | Integrated Circuits Practical(M Scheme) |
| | 5. | Communication System & Servicing Lab | Industrial Electronics & Communication Engineering Practical(M Scheme) |
| | 6. | Elective Practical-I | Elective Practical-I(as per theory scheme) |
| VI | 1. | Microprocessor & its Application | Digital Electronics (M Scheme) |
| | 2. | Industrial Electronics | Industrial Electronics (M Scheme) |
| | 3. | Elective Theory II | |

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| | | 1. Computer Programming in COBOL | COBOL Programming of Computer Technology(G Scheme) |
| | | 2. System Design using IC's | Advanced Communication Systems (M Scheme) |
| | | 3. Instrumentation & Control Systems | 4042320 -Basics of Instrumentation of III Instrumentation and Control Engg. (N Scheme) |
| | | 4. Advanced Communication Engineering | Advanced Communication Systems (M Scheme) |
| | 4. | Microprocessor Lab | Microprocessor Lab (G Scheme) |
| | 5. | Industrial Electronics Lab | Industrial Electronics & Communication Engineering Practical(M Scheme) |
| | 6. | Project Work & Entrepreneurship | Project Work(M Scheme) |

‘C’ SCHEME (1988-1993)

| SEM | SL. NO. | Revised Scheme (RS) [C Scheme] (1 year Admission 1987-88) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------|---|---|
| III | 1. | Mathematics | 40012 - Engineering Mathematics – I of First Sem Diploma .(N Scheme) |
| | 2. | Electronic Devices | 4040310 - Electronic Devices & Circuits(N Scheme) |
| | 3. | Components, Circuits & Machines | 4040320-Electrical Circuits & Instrumentation (N Scheme) |
| | 4. | Introduction to Computer Programming | 4040330-Programming in C (N Scheme) |
| | 5. | Devices Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 6. | Circuits & Machines Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| IV | 1. | Electronic Circuits | Electronic Devices & Circuits (M Scheme) |
| | 2. | Measurements & Instrumentation | Electrical Circuits & Instrumentation(M Scheme) |
| | 3. | Network, Antenna & Propagation | Communication Engineering (M Scheme) |
| | 4. | Electronic Circuits Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 5. | Measurements & Instrumentation Lab | 4040350-Electrical Circuits & Instrumentation Practical (N Scheme) |
| | 6. | Electronics Drafting & Tracing Lab | Electronics Drafting & Tracing Lab (D Scheme) |
| V | 1. | Micro Electronics | Digital Electronics (M Scheme) |
| | 2. | Communication System | Communication Engineering (M Scheme) |
| | 3. | Elective Theory-I | |
| | | 1.Microwave Engineering | Advanced Communication Systems (M Scheme) |
| | | 2.Television Engineering | Television Engineering (M Scheme) |
| | | 3.Medical Electronics | Bio-Medical Instrumentation (M Scheme) |
| | | 4,PCB Design & Fabrication | Surface Mount Technology (J Scheme) |
| | 4. | Micro Electronics Lab | Integrated Circuits Practical (M Scheme) |
| | 5. | Communication System & Servicing Lab | Industrial Electronics & Communication Engineering Practical (M Scheme) |
| | 6. | Elective Practical-I | Elective Practical-I(as per theory scheme) |
| VI | 1. | Microprocessor & its Application | Digital Electronics (M Scheme) |
| | 2. | Industrial Electronics | Industrial Electronics (M Scheme) |
| | 3. | Elective Theory II | |
| | | 1.Computer Programming in COBOL | COBOL Programming of Computer Technology(G Scheme) |

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|--|----|--------------------------------------|--|
| | | 2.System Design using IC's | Advanced Communication Systems (M Scheme) |
| | | 3.Instrumentation & Control Systems | 4042320 -Basics of Instrumentation of III Instrumentation and Control Engg. (N Scheme) |
| | | 4.Advanced Communication Engineering | Advanced Communication Systems (M Scheme) |
| | 4. | Microprocessor Lab | Microprocessor Lab (G Scheme) |
| | 5. | Industrial Electronics Lab | Industrial Electronics & Communication Engineering Practical (M Scheme) |
| | 6. | Project Work & Entrepreneurship | Project Work(M Scheme) |

‘D’ SCHEME (1992- 2000)

| SEM | SL. NO. | New Scheme [D Scheme] (I year Admission 1991-92) | Relevant papers in which the candidate has to write in October 2021 Board Examinations |
|-----|---------------------------------|--|---|
| III | 1. | Mathematics | 40012 - Engineering Mathematics – I of First Sem Diploma (N Scheme) |
| | 2. | Electronic Devices & Components | 4040310 - Electronic Devices & Circuits(N Scheme) |
| | 3. | Electrical Circuits & Machines | 4040320-Electrical Circuits & Instrumentation (N Scheme) |
| | 4. | Programming & Applications of Computer | 4040330-Programming in C (N Scheme) |
| | 5. | Electronic Devices Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 6. | Programming & Applications of Computer Lab | Programming & Applications of Computer Lab (D Scheme) |
| IV | 1. | Electronic Circuits | Electronic Devices & Circuits (M Scheme) |
| | 2. | Micro Electronics | Digital Electronics (M Scheme) |
| | 3. | Network, Antenna & Propagation | Communication Engineering (M Scheme) |
| | 4. | Electronic Circuits Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 5. | Micro Electronics Lab | Integrated Circuits Practical (M Scheme) |
| | 6. | Electronics Drafting & Tracing Lab | Electronics Drafting & Tracing Lab (M Scheme) |
| V | 1. | Measurements & Instrumentation | Electrical Circuits & Instrumentation (M Scheme) |
| | 2. | Communication Engineering | Communication Engineering (M Scheme) |
| | 3. | Microprocessor & Applications | Digital Electronics (M Scheme) |
| | 4. | Measurements & Instrumentation Lab | 4040350-Electrical Circuits & Instrumentation Practical (N Scheme) |
| | 5. | Communication Engineering Lab | Industrial Electronics & Communication Engineering Practical (M Scheme) |
| | 6. | Microprocessor Lab | Microprocessor Lab (G Scheme) |
| VI | 1. | Television Engineering | Television Engineering (M Scheme) |
| | 2. | Communication Systems | Advanced Communication Systems (M Scheme) |
| | 3. | Elective Theory | |
| | | 1.Microwave Engineering | Advanced Communication System (M Scheme) |
| | | 2.Industrial Electronics | Industrial Electronics (M Scheme) |
| | | 3.Computer Programming in COBOL | COBOL Programming of Computer Technology (G Scheme) |
| | | 4.Instrumentation & Control Systems | 4042320 -Basics of Instrumentation of III Instrumentation and Control Engg.(N Scheme) |
| | | 5.PCB Design | Surface Mount Technology (J Scheme) |
| | | 6. C Programming Language | 4052330- C Programming and Data Structure (N Scheme) of Computer Engineering |
| | 4. | T.V. Servicing Lab | Television Engineering (M Scheme) |
| 5. | Elective Lab | Elective Lab (as per theory scheme) | |
| 6. | Project Work & Entrepreneurship | Project Work (M Scheme) | |

'G' SCHEME (1999- 2004)

| SEM | SL. NO | G Scheme (I year Admission 1998-99) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|------------------------------------|---|--|
| III | 1. | Circuits & Machines | 4040320-Electrical Circuits & Instrumentation (N Scheme) |
| | 2. | Electronic Devices & Components | 4040310 - Electronic Devices & Circuits(N Scheme) |
| | 3. | C++ Programming | 4040330-Programming in C (N Scheme) |
| | 4. | Circuits & Machines Lab | Electrical Circuits & Instrumentation Practical (M Scheme) |
| | 5. | Electronic Devices & Components Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 6. | C++ Programming Lab | C++ Programming Lab (J Scheme) |
| IV | 1. | Electronic Circuits | 4040310 - Electronic Devices & Circuits(N Scheme) |
| | 2. | Digital Electronics | Digital Electronics (M Scheme) |
| | 3. | Measurements & Instrumentation | 4040320-Electrical Circuits & Instrumentation (N Scheme) |
| | 4. | Electronic Circuits Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 5. | Digital Electronics Lab | Integrated Circuits Practical (M Scheme) |
| | 6. | Measurements & Instrumentation Lab | 4040350-Electrical Circuits & Instrumentation Practical (N Scheme) |
| V | 1. | Microprocessor & Applications | Digital Electronics (M Scheme) |
| | 2. | Communication Engineering | Communication Engineering(M Scheme) |
| | 3. | Elective Theory-I | |
| | | 1.Visual Basic | Visual Basic (G Scheme) |
| | | 2.Television Engineering | Television Engineering(M Scheme) |
| | | 3.Bio-Medical Instrumentation | Bio-Medical Instrumentation(M Scheme) |
| | 4. Microprocessor Lab | Microprocessor Lab (G Scheme) | |
| | 5. Communication Engineering Lab | Industrial Electronics & Communication Engineering Practical (M Scheme) | |
| | 6. Elective Lab-I | Elective Lab I (as per theory scheme) | |
| VI | 1. | Industrial Electronics | Industrial Electronics (M Scheme) |
| | 2. | Communication Systems | Advanced Communication Systems(M Scheme) |
| | 3. | Elective Theory-II | |
| | | 1.Power Electronics | 34273 - Industrial Power Electronics ofV Instrumentation and Control Engg. (M Scheme) |
| | | 2.Computer Installation & Servicing | Computer Hardware Servicing & Networking (M Scheme) |
| | | 3.Surface Mount Technology | Surface Mount Technology(J Scheme) |
| | 4. Industrial Electronics Lab | Industrial Electronics & Communication Engineering Practical(M Scheme) | |
| | 5. Elective Lab II | Elective Lab II (as per theory scheme) | |
| | 6. Project Work & Entrepreneurship | Project Work (M Scheme) | |

'J' SCHEME (2003 – 2008)

| SEM | SL. NO. | J Scheme (1 year Admission 2002-03) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------------------|--|---|
| III | 1. | Electrical Circuits & Machines | 4040320-Electrical Circuits & Instrumentation (N Scheme) |
| | 2. | Electronic Devices & Components | 4040310 - Electronic Devices & Circuits(N Scheme) |
| | 3. | C++ Programming | 4040330-Programming in C (N Scheme) |
| | 4. | Electrical Circuits & Machines Lab | Electrical Circuits & Instrumentation Practical (M Scheme) |
| | 5. | Electronic Devices & Components Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 6. | C++ Programming Lab | C++ Programming Lab (J Scheme) |
| IV | 1. | Electronic Circuits | 4040310 - Electronic Devices & Circuits(N Scheme) |
| | 2. | Digital Electronics | Digital Electronics (M Scheme) |
| | 3. | Measurements & Instrumentation | 4040320-Electrical Circuits & Instrumentation (N Scheme) |
| | 4. | Electronic Circuits Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 5. | Digital Electronics Lab | Integrated Circuits Practical (M Scheme) |
| | 6. | Measurements & Instrumentation Lab | 4040350-Electrical Circuits & Instrumentation Practical (N Scheme) |
| V | 1. | Communication Engineering | Communication Engineering (M Scheme) |
| | 2. | Microcontrollers & Advanced Microprocessors | Microcontroller (M Scheme) |
| | 3. | Elective Theory-I | |
| | | 1.Surface Mount Technology | Surface Mount Technology(J Scheme) |
| | | 2.Computer Installation & Servicing | Computer Hardware Servicing & Networking (M Scheme) |
| | | 3.Bio-Medical Instrumentation | Bio-Medical Instrumentation (M Scheme) |
| | 4.Power Electronics | 34273 - Industrial Power Electronics Of V Semester Instrumentation & Control Engineering (M Scheme) | |
| | 4. | Communication Engineering Lab | Industrial Electronics & Communication Engineering Practical (M Scheme) |
| | 5. | Microcontrollers & Microprocessors Lab | Microcontroller Practical (M Scheme) |
| | 6. | Elective I Lab | Elective I Lab (as per theory scheme) |
| VI | 1. | Communication Systems | Advanced Communication Systems (M Scheme) |
| | 2. | Industrial Electronics | Industrial Electronics (M Scheme) |
| | 3. | Elective Theory-II | |
| | | 1.Digital Communication | Advanced Communication Systems (M Scheme) |
| | | 2.Television Engineering | Television Engineering (M Scheme) |
| | | 3.Computer Networks | Computer Hardware Servicing & Networking (M Scheme) |

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| | | 4.Digital Signal Processing | Digital Signal Processing(K Scheme) |
| | 4. | Communication Systems Lab | Advanced Communication Systems Practical (M Scheme) |
| | 5. | Industrial Electronics Lab | Industrial Electronics & Communication Engineering Practical (M Scheme) |
| | 6. | Project Work & Entrepreneurship | Project Work(M Scheme) |

'K' SCHEME (2007 – 2011)

| SEM | SL. NO. | K Scheme (I year Admission 2007-08) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------|---|---|
| III | 1. | Electronic Devices and Circuits | 4040310 - Electronic Devices & Circuits(N Scheme) |
| | 2. | Electric Circuits and Instrumentation | 4040320-Electrical Circuits & Instrumentation (N Scheme) |
| | 3. | 'C' Programming and OOPS | 4040330-Programming in C (N Scheme) |
| | 4. | Electronic Devices and Circuits Lab | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 5. | Electric Circuits & Instrumentation Lab | 4040350-Electrical Circuits & Instrumentation Practical (N Scheme) |
| | 6. | 'C' Programming Lab | 4040360 - " Programming in C " Practical (N Scheme) |
| IV | 1. | Analog and Digital Electronics | Digital Electronics (M Scheme) |
| | 2. | Industrial Electronics | Industrial Electronics (M Scheme) |
| | 3. | Communication Engineering | Communication Engineering (M Scheme) |
| | 4. | Analog and Digital Electronics Lab | Integrated Circuits Practical (M Scheme) |
| | 5. | IE and CE Lab | Industrial Electronics & Communication Engineering Practical (M Scheme) |
| | 6. | English Communication Lab | Life and Employability Skills Practical (M Scheme) |
| V | 1. | Microprocessor and Micro controller | Micro controller (M Scheme) |
| | 2. | Advanced Communication Systems | Advanced Communication Systems (M Scheme) |
| | 3. | Elective – I | |
| | | 1.Digital Signal Processing | No alternative |
| | | 2.VLSI | Very Large Scale Integration (M Scheme) |
| | | 3.Robotics and Auto-Electronics | 34763 Robotics and Auto Electronics of Electronics (Robotics) /Mechatronics (M Scheme) |
| | 4. | Microprocessor and Microcontroller Lab | Microcontroller Practical (M Scheme) |
| | 5. | Advanced Communication Systems Lab | Advanced Communication Systems Practical (M Scheme) |
| | 6. | Elective - I Lab | |
| | | 1. Digital Signal Processing Lab | No alternative |
| | | 2.VLSI Lab | Very Large Scale Integration Practical (M Scheme) |
| | | 3. Robotics and Auto-Electronics Lab | 34765 Robotics Practicalof Electronics (Robotics) / Mechatronics (M Scheme) |

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| VI | 1. | Computer Hardware and Networking | Computer Hardware Servicing & Networking (M Scheme) |
| | 2. | Embedded Systems | Embedded Systems (L Scheme) |
| | 3. | Elective - II | |
| | | 1. Digital Image Processing | No alternative |
| | | 2. Television Engineering | Television Engineering (M Scheme) |
| | | 3. Bio-Medical Instrumentation | Bio medical Instrumentation (M Scheme) |
| | 4. | Computer Hardware and Networking Lab | Computer Hardware Servicing & Networking practical (M Scheme) |
| | 5. | Embedded Systems Lab | Embedded Systems Practical (M Scheme) |
| | 6. | Project Work & Entrepreneurship | Project Work (M Scheme) |

‘L’ SCHEME (2011- 2015)

| SEM | Sl. No | L Scheme (I year Admission 2011-2012) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---|--|---|
| III | 1. | Electronic Devices and Circuits | 4040310 - Electronic Devices & Circuits (N Scheme) |
| | 2. | Electrical Circuits and Instrumentation | 4040320-Electrical Circuits & Instrumentation (N Scheme) |
| | 3. | ‘C’ Programming* | 4040330-Programming in C (N Scheme) |
| | 4. | Electronic Devices and Circuits Practical\$ | 4040340-Electronic Devices & Circuits Practical (N Scheme) |
| | 5. | Electrical Circuits & Instrumentation Practical | 4040350-Electrical Circuits & Instrumentation Practical (N Scheme) |
| | 6. | “ Programming in C” Practical | 4040360 - “ Programming in C” Practical (N Scheme) |
| | 7. | Computer Application Practical | 40002- Computer Application Practical(N Scheme) |
| IV | 1. | Industrial Electronics | Industrial Electronics(M Scheme) |
| | 2. | Communication Engineering | Communication Engineering(M Scheme) |
| | 3. | Digital Electronics\$ | Digital Electronics(M Scheme) |
| | 4. | Linear Integrated Circuits | Linear Integrated Circuits(M Scheme) |
| | 5. | Industrial Electronics & Communication Engineering Practical | Industrial Electronics & Communication Engineering Practical(M Scheme) |
| | 6. | Integrated Circuits Practical | Integrated Circuits Practical(M Scheme) |
| | 7. | Communication and Life Skills Practical | Life and Employability Skills Practical |
| V | 1. | Advanced Communication Systems | Advanced Communication Systems(M Scheme) |
| | 2. | Microcontroller\$ | Microcontroller(M Scheme) |
| | 3. | Very Large Scale Integration | Very Large Scale Integration(M Scheme) |
| | 4. | Elective Theory-I | |
| | | Digital Communication | Digital Communication(M Scheme) |
| | | Programmable Logic Control | Programmable Logic Control(M Scheme) |
| | 5. | Advanced Communication Systems Practical | Advanced Communication Systems Practical(M Scheme) |
| 6. | Microcontroller Practical | Microcontroller Practical(M Scheme) | |
| 7. | Very Large Scale Integration Practical | Very Large Scale Integration Practical(M Scheme) | |
| VI | 1. | Embedded Systems | Embedded Systems (L Scheme) |
| | 2. | Computer Hardware and Network | Computer Hardware and Network(M Scheme) |
| | 3. | Elective Theory II | |
| | | Television Engineering | Television Engineering (M Scheme) |
| | | Biomedical Instrumentation | Biomedical Instrumentation (M Scheme) |
| | | Electronic System Design | Electronic System Design(M Scheme) |
| | 4. | Embedded Systems Practical | Embedded Systems Practical(L Scheme) |
| 5. | Computer Hardware and Network Practical | Computer Hardware and Network Practical(M Scheme) | |
| 6. | Simulation Practical | Simulation Practical(L Scheme) | |
| 7. | Project Work | Project Work(M Scheme) | |

ELECTRICAL & ELECTRONICS ENGINEERING
REVISED REGULATION (1985-1989)

| SEM | SL. No. | Revised Regulation (RR) (I year Admission 1984-85) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|---------|--|---|
| III | 1. | Circuit Theory | 4030320- Electrical Circuit Theory(N Scheme) |
| | 2. | Machines-I | 4030330-Electrical Machines-I (N Scheme) |
| | 3. | Engineering Mechanics & Prime Movers | 37032 - Mechanical Engineering of III Chemical Engg. |
| | 4. | Drawing-I | Electrical Machine Drawing(G Scheme) |
| | 5. | Machines Lab I | 4030350-Electrical Circuits and Machines Practical (N Scheme) |
| | 6. | Workshop-Foundry, Lathe & Welding | Foundry & Machine Shop(G Scheme) |
| IV | 1. | Machines-II | Electrical Machines-II |
| | 2. | Electronics-I | 4040310-Electronic Devices and Circuits (N Scheme) |
| | 3. | Measurements | Measurements & Instruments (M Scheme) |
| | 4. | Drawing-II | Electrical Machine Drawing(G Scheme) |
| | 5. | Machines Lab-II | Electrical Machines & Instrumentation Practical (M Scheme) |
| | 6. | Electronics Lab-I | 4040340-Electronic Devices and Circuits Practical (N Scheme) |
| V | 1. | Generation, Transmission & Switch gear | Generation Transmission and Switchgear (M Scheme) |
| | 2. | Electronics-II | Digital Electronics (M Scheme) |
| | 3. | Control & Maintenance of machines | Control of Electrical machines (M Scheme) |
| | 4. | Wiring Lab, Winding Lab | Wiring, Winding Practical(M Scheme) |
| | 5. | Electronics Lab-II | Integrated Circuits Practical (M Scheme) |
| | 6. | Control & Maintenance Lab | Control of Electrical machines Practical(M Scheme) |
| VI | 1. | Computer Programming | 4052330- CProgramming and Data Structure (N Scheme) of III Computer Engg. |
| | 2. | Distribution & utilization | Distribution and Utilization(M Scheme) |
| | 3. | Elective Theory | |
| | | 1.Industrial Electronics | Power Electronics(M Scheme) |
| | | 2.Television Engineering | 34081 -Television Engineering of Electronics & Communication Engineering |
| | | 3.Microprocessor | Digital Electronics (M Scheme) |
| | | 4.Static Relays & Protection | Static Relays & Protection (G Scheme) |
| | 4. | Estimating & Costing | Wiring, Winding Practical(M Scheme) |
| | 5. | Elective Lab | Elective lab(as per theory scheme) |
| | 6. | Project Work & Entrepreneurship | Project Work(M Scheme) |

'C' SCHEME (1988- 1993)

| SEM | SL. NO. | Revised Scheme(RS) [C SCHEME] (I year Admission 1987-88) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|------------------------------------|--|---|
| III | 1. | Circuit Theory | 4030320- Electrical Circuit Theory(N Scheme) |
| | 2. | Machines-I | 4030330-Electrical Machines-I (N Scheme) |
| | 3. | Engineering Mechanics & Prime Movers | 37032 - Mechanical Engineering of III Chemical Engg. (M Scheme) |
| | 4. | Drawing-I | Electrical Machine Drawing(G Scheme) |
| | 5. | Machines Lab I | 4030350-Electrical Circuits and Machines Practical (N Scheme) |
| | 6. | Workshop-Foundry, Lathe & Welding | Foundry & Machine Shop(G Scheme) |
| IV | 1. | Machines-II | Electrical Machines-II (M Scheme) |
| | 2. | Electronics-I | 4040310-Electronic Devices and Circuits (N Scheme) |
| | 3. | Measurements | Measurements & Instruments (M Scheme) |
| | 4. | Drawing-II | Electrical Machine Drawing(G Scheme) |
| | 5. | Machines Lab-II | Electrical Machines & Instrumentation Practical (M Scheme) |
| | 6. | Electronics Lab-I | 4040340-Electronic Devices and Circuits Practical (N Scheme) |
| V | 1. | Generation, Transmission & Switch gear | Generation Transmission and Switchgear(M Scheme) |
| | 2. | Electronics-II | Digital Electronics (M Scheme) |
| | 3. | Control & Maintenance of machines | Control of Electrical machines(M Scheme) |
| | 4. | Wiring Lab, Winding Lab | Wiring, Winding Practical(M Scheme) |
| | 5. | Electronics Lab-II | Integrated Circuits Practical(M Scheme) |
| | 6. | Control & Maintenance Lab | Control of Electrical machines Practical(M Scheme) |
| VI | 1. | Computer Programming | 4052330- C Programming and Data Structure (N Scheme) of III Computer Engg. |
| | 2. | Distribution & utilization | Distribution & Utilization(M Scheme) |
| | 3. | Elective Theory | |
| | | 1.Industrial Electronics | Power Electronics(M Scheme) |
| | | 2.Television Engineering | 34081 - Television Engineering ofVI Electronics & Communication Engineering(M Scheme) |
| | | 3.Microprocessor | Digital Electronics (M Scheme) |
| | 4.Static Relays & Protection | Static Relays & Protection (G Scheme) | |
| | 4. Estimating & Costing | Wiring, Winding Practical (M Scheme) | |
| | 5. Elective Lab | Elective lab (as per theory scheme) | |
| | 6. Project Work & Entrepreneurship | Project Work(M Scheme) | |

‘D’ SCHEME (1992- 2000)

| SEM | SL. NO. | New Scheme [D Scheme] (I year Admission 1991-92) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------|--|---|
| III | 1. | Circuit Theory | 4030320- Electrical Circuit Theory(N Scheme) |
| | 2. | Machines-I | 4030330-Electrical Machines-I (N Scheme) |
| | 3. | Engineering mechanics & Prime Movers | 37032 Mechanical Engineering of III Chemical Engg. (M Scheme) |
| | 4. | Drawing-I | Electrical Machine Drawing(G Scheme) |
| | 5. | Machines Lab I | 4030350-Electrical Circuits and Machines Practical (N Scheme) |
| | 6. | Workshop-Foundry, Lathe & Welding | Foundry & Machine Shop(G Scheme) |
| IV | 1. | Machines-II | Electrical Machines-II |
| | 2. | Electronics-I | 4040310-Electronic Devices and Circuits (N Scheme) |
| | 3. | Measurements | Measurements & Instruments (M Scheme) |
| | 4. | Drawing-II | Electrical Machine Drawing(G Scheme) |
| | 5. | Machines Lab-II | Electrical Machines & Instrumentation Practical(M Scheme) |
| | 6. | Electronics Lab-I | 4040340-Electronic Devices and Circuits Practical (N Scheme) |
| V | 1. | Generation, Transmission & Switch gear | Generation Transmission and Switchgear(M Scheme) |
| | 2. | Electronics-II | Digital Electronics (M Scheme) |
| | 3. | Control & Maintenance of machines | Control of Electrical machines (M Scheme) |
| | 4. | Electronics Lab-II | Integrated Circuits Practical (M Scheme) |
| | 5. | Control & Maintenance of machines Lab | Control of Electrical machines Practical(M Scheme) |
| | 6. | Wiring, Winding & Estimating | Wiring, Winding Practical(M Scheme) |
| VI | 1. | Computer Programming & Applications | 4052330- CProgramming and Data Structure (N Scheme) of III Computer Engg. |
| | 2. | Distribution & utilization | Distribution &Utilization(M Scheme) |
| | 3. | Elective Theory | |
| | | 1.Industrial Electronics | Power Electronics(M Scheme) |
| | | 2.Television Engineering | 34081 - Television Engineering ofVI Electronics & Communication Engineering (M Scheme) |
| | | 3.Microprocessor | Digital Electronics (M Scheme) |
| | | 4.Static Relays & Protection | Static Relays & Protection (G Scheme) |
| | 4. | Computer Programming & Applications Lab | Computer Aided Electrical drawing Practical(M Scheme) |
| | 5. | Elective Lab | Elective lab(as per theory scheme) (M Scheme) |
| | 6. | Project Work & Entrepreneurship | Project Work(M Scheme) |

'G' SCHEME (1999-2004)

| SEM | Sl. No. | G Scheme (1 year Admission 1998-99) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|--|--|---|
| III | 1. | Electrical Circuit Theory | 4030320- Electrical Circuit Theory(N Scheme) |
| | 2. | Electrical Machines-I | 4030330-Electrical Machines-I (N Scheme) |
| | 3. | Programming C & Applications | 4052330- CProgramming and Data Structure (N Scheme) of Computer Engineering |
| | 4. | Electrical Machines-I Lab | 4030350-Electrical Circuits and Machines Practical (N Scheme) |
| | 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 (M Scheme) |
| | 2. | Electronic Devices & Circuits | 4040310-Electronic Devices and Circuits (N Scheme) |
| | 3. | Measurements & Instrumentation | Measurements & Instruments (M Scheme) |
| | 4. | Electrical Machine Drawing | Electrical Machine Drawing (G Scheme) |
| | 5. | Electrical Machines-II Lab | Electrical Machines & Instrumentation Practical (M Scheme) |
| | 6. | Electronic Devices & Circuits Lab | 4040340-Electronic Devices and Circuits Practical (N Scheme) |
| V | 1. | Generation, Transmission & Switch gear | Generation Transmission and Switchgear(M Scheme) |
| | 2. | Digital Electronics & Microprocessor | Digital Electronics (M Scheme) |
| | 3. | Elective Theory-I | |
| | | 1.Static Relays & Protection | Static Relays & Protection (G Scheme) |
| | | 2.Control & Maintenance of electrical machines | Control of Electrical machines (M Scheme) |
| | | 3.Non-Conventional Energy Sources | 32073 Renewable Energy Sources and Energy Conservation of V Semester Mechanical Engg. (M Scheme) |
| | 4. Wiring & Winding Lab | Wiring, Winding Practical(M Scheme) | |
| | 5. Digital electronics &Microprocessor Lab | Integrated Circuits Practical(M Scheme) | |
| | 6. Elective Practical-I | Elective Practical I(as per theory scheme) | |
| VI | 1. | Distribution & utilization | Distribution &Utilization(M Scheme) |
| | 2. | Electrical Estimation | Electrical Estimation And Energy Auditing(M Scheme) |
| | 3. | Elective Theory –II | |
| | | 1.Industrial Electronics | Power Electronics(M Scheme) |
| | | 2.Microprocessor & Applications | Digital Electronics (M Scheme) |
| | | 3.Bio-medical Instrumentation | Biomedical Instrumentation(M Scheme) |
| | 4. Elective Practical-II | Elective Practical II(as per theory scheme) | |
| | 5. Computer Aided Electrical Drawing Lab | Computer Aided Electrical drawing Practical(M Scheme) | |
| | 6. Project Work & Entrepreneurship | Project Work(M Scheme) | |

'J' SCHEME (2003-2008)

| SEM | SL. NO. | J Scheme (I year Admission 2002-03) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|---------|--|--|
| III | 1. | Electrical Circuit Theory | 4030320- Electrical Circuit Theory(N Scheme) |
| | 2. | Electrical Machines-I | 4030330-Electrical Machines-I (N Scheme) |
| | 3. | Electronic Devices & Circuits | 4040310-Electronic Devices and Circuits (N Scheme) |
| | 4. | Electrical Machines Lab I | 4030350-Electrical Circuits and Machines Practical (N Scheme) |
| | 5. | Electronic Devices & Circuits Lab | 4040340-Electronic Devices and Circuits Practical (N Scheme) |
| | 6. | MS Office Lab | MS Office Lab (J Scheme) |
| IV | 1. | Electrical Machines-II | Electrical Machines-II (M Scheme) |
| | 2. | Measurements & Instrumentation | Measurements & Instruments (M Scheme) |
| | 3. | Basics of Mechanical Engineering | 37032 - Mechanical Engineering of III Semester Chemical Engg. |
| | 4. | Electrical Machines Lab-II | Electrical Machines & Instrumentation Practical(M Scheme) |
| | 5. | Computer Aided Electrical Drawing Lab | Computer Aided Electrical drawing Practical(M Scheme) |
| | 6. | Mechanical Engineering Lab | Workshop Practical (M Scheme) |
| V | 1. | Generation, Transmission & Switch gear | Generation Transmission & Switchgear(M Scheme) |
| | 2. | Analog & Digital Electronics | Digital Electronics (M Scheme) |
| | 3. | Elective Theory-I | |
| | | 1.Programming in C | 4052330- CProgramming and Data Structure (N Scheme) of Computer Engineering (M Scheme) |
| | | 2.Control of Electrical machines | Control of Electrical machines (M Scheme) |
| | | 3.Non-Conventional Energy Sources | 32073 - Renewable Energy Sources and Energy Conservation of V Semester Mechanical Engg (M Scheme) |
| | | 4.Electrical Machine Design | Electrical Machine Design (M Scheme) |
| | 4. | Wiring, Winding & Estimation Lab | Wiring, Winding Practical(M Scheme) |
| | 5. | Analog & Digital Electronics Lab | Integrated Circuits Practical (M Scheme) |
| | 6. | Elective Practical-I | Elective Practical I(as per theory scheme) |
| VI | 1. | Distribution & utilization | Distribution & Utilization(M Scheme) |
| | 2. | Micro Controllers | Microcontroller (M Scheme) |
| | 3. | Elective Theory-II | |
| | | 1.Power Electronics | Power Electronics (M Scheme) |
| | | 2.Programmable Logic Controller including Data Acquisition system(DAS) | Programmable Logic Controller (M Scheme) |
| | | 3.Programming in C++ | 4052330- CProgramming and Data Structure (N Scheme) of III Sem Computer Engg. |
| | | 4.Computer Hardware Servicing | 35261 - Computer Hardware and Servicing of VI Computer Engg. |

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| | 4. | Micro Controllers Lab | Microcontroller Practical (M Scheme) |
| | 5. | Elective Practical-II | Elective Practical II(as per theory scheme) |
| | 6. | Project Work & Entrepreneurship | Project Work(M Scheme) |

'K' SCHEME (2007-2011)

| SEM | SL. NO. | K Scheme (I year Admission 2007-08) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|--|--|---|
| III | 1. | Electrical Circuit Theory | 4030320- Electrical Circuit Theory(N Scheme) |
| | 2. | Electrical Machines - I | 4030330-Electrical Machines-I (N Scheme) |
| | 3. | Electronic Devices and Circuits | 4040310-Electronic Devices and Circuits (N Scheme) |
| | 4. | Electrical Circuitsand Machines Practical | 4030350-Electrical Circuits and Machines Practical (N Scheme) |
| | 5. | Electronic Devices and Circuits Practical | 4040340-Electronic Devices and Circuits Practical (N Scheme) |
| | 6. | Work Shop Practical | Work Shop Practical(L Scheme) |
| IV | 1. | Electrical Machines - II | Electrical Machines - II (M Scheme) |
| | 2. | Measurements and Instrumentation | Measurements and Instruments (M Scheme) |
| | 3. | Analog and Digital Electronics | Digital Electronics (M Scheme) |
| | 4. | Electrical Machines and Instrumentation Practical | Electrical Machines and Instrumentation Practical(M Scheme) |
| | 5. | Analog and Digital Electronics Practical | Integrated Circuits Practical (M Scheme) |
| | 6. | English Communication Practical | Life and Employability Skill Practical(M Scheme) |
| V | 1. | Power System – I | Generation, Transmission and Switchgear (M Scheme) |
| | 2. | Microprocessor and Micro Controller | Micro Controller (M Scheme) |
| | 3. | Elective Theory – I | |
| | | 1. Control of Electrical Machines | Control of Electrical Machines (M Scheme) |
| | | 2. Programmable Logic Controller | Programmable Logic Controller (M Scheme) |
| | | 3. Electrical Machine Design | Electrical Machine Design (M Scheme) |
| | | Practical | |
| | 4. | Wiring and Winding Practical | Wiring and Winding Practical (M Scheme) |
| | 5. | Micro Controller Practical | Micro Controller Practical(M Scheme) |
| | 6. | Elective Practical – I | |
| | | 1. Control of Electrical Machines Practical | Control of Electrical Machines Practical (M Scheme) |
| | 2. Programmable Logic Controller Practical | Programmable Logic Controller Practical(M Scheme) | |
| | 3. Electrical Machine Design Practical | Electrical Machine Design Practical(M Scheme) | |
| VI | 1. | Power System – II | Distribution & Utilization(M Scheme) |
| | 2. | Electrical Estimation | Electrical Estimation and Energy Auditing (M |

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| | | | Scheme) |
| | 3. | Elective Theory – II | Elective Theory – II |
| | | 1. Power Electronics | Power Electronics (M Scheme) |
| | | 2. Computer Hardware and Networking | Computer Hardware and Networks (M Scheme) |
| | | 3. “C” Programming and OOPS | 4052330- CProgramming and Data Structure (N Scheme) of computer Engineering |
| | 4. | Computer Aided Electrical Drawing Practical | Computer Aided Electrical Drawing Practical(M Scheme) |
| | 5. | Elective Practical – II | Elective Practical – II |
| | | 1. Power Electronics Practical | Power Electronics Practical(M Scheme) |
| | | 2. Computer Hardware andNetworking Practical | Computer Hardware and Networks Practical |
| | | 3. “C” Programming and OOPS Practical | 35236 – C Programming Practical ofComputer Engineering |
| | 6. | Project Work, Entrepreneurship, Environment and Disaster Management | Project Work(M Scheme) |

‘L’ SCHEME (2011- 2015)

| SEM | Sl. No | L Scheme (I year Admission 2011-2012) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. ‘N’ Scheme |
|-----|--------|--|---|
| III | 1. | Electrical Circuit Theory | 4030320- Electrical Circuit Theory(N Scheme) |
| | 2. | Electrical Machines - I | 4030330-Electrical Machines-I (N Scheme) |
| | 3. | Electronic Devices and Circuits | 4040310-Electronic Devices and Circuits (N Scheme) |
| | 4. | Electrical Circuits and Machines Practical | 4030350-Electrical Circuits and Machines Practical (N Scheme) |
| | 5. | Electronic Devices and Circuits Practical | 4040340-Electronic Devices and Circuits Practical (N Scheme) |
| | 6. | Work Shop Practical | Work Shop Practical(L Scheme) |
| | 7. | Computer Applications Practical | 40002-Computer Applications Practical (N Scheme) |
| IV | 1. | Electrical Machines - II | Electrical Machines – II (M Scheme) |
| | 2. | Measurements and Instruments | Measurements and Instruments(M Scheme) |
| | 3. | Digital Electronics | Digital Electronics(M Scheme) |
| | 4. | Transducers and Signal Conditioners | Transducers and Signal Conditioners(M Scheme) |
| | 5. | Electrical Machines and Instrumentation Practical | Electrical Machines and Instrumentation Practical(M Scheme) |
| | 6. | Digital Electronics & Linear Integrated Circuits Practical | Integrated Circuits Practical(M Scheme) |
| | 7. | Communication and Life Skill Practice | Life and Employability Skill Practical(M Scheme) |
| V | 1. | Power System – I | Generation Transmission and Switchgear(M Scheme) |
| | 2. | Micro Controller | Micro Controller(M Scheme) |
| | 3. | Special Electrical Machines | |
| | 4. | Elective Theory-I | |
| | | Control of Electrical Machines | Control of Electrical Machines(M Scheme) |
| | | Programmable Logic Controller | Programmable Logic Controller(M Scheme) |
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| | | Electrical Machine Design | Electrical Machine Design(M Scheme) |
| | 5. | Electrical Circuits Simulation Practical | Electrical Circuits Simulation Practical (VI Semester) (M Scheme) |
| | 6. | Micro Controller Practical | Micro Controller Practical(M Scheme) |
| | 7. | Elective Practical-I | |
| | | Control of Electrical Machines Practical | Control of Electrical Machines Practical(M Scheme) |
| | | Programmable Logic Controller Practical | Programmable Logic Controller Practical(M Scheme) |
| | | Electrical Machine Design Practical | Electrical Machine Design Practical(M Scheme) |
| VI | 1. | Power System – II | Distribution and Utilization(M Scheme) |
| | 2. | Electrical Estimation and Energy Auditing | Electrical Estimation and Energy Auditing (V Semester) (M Scheme) |
| | 3. | Elective Theory II | |
| | | Power Electronics | Power Electronics(M Scheme) |
| | | Bio-Medical Instrumentation | Bio-Medical Instrumentation(M Scheme) |
| | | Computer Hardware and Networks @ | Computer Hardware and Networks(M Scheme) |
| | 4. | Wiring and Winding Practical | Wiring and Winding Practical(M Scheme) |
| | 5. | Computer Aided Electrical Drawing | Computer Aided Electrical Drawing Practical(V Semester) (M Scheme) |
| | 6. | Elective Practical II | |
| | | Power Electronics Practical | Power Electronics Practical(M Scheme) |
| | | Bio – Medical Instrumentation Practical | Bio-Medical Instrumentation Practical(M Scheme) |
| | | Computer Hardware and Networks Practical @ | Computer Hardware and Networks Practical(M Scheme) |
| | 7. | Project Work | Project Work(M Scheme) |

COMPUTER ENGINEERING

‘C’ SCHEME (1988-1993)

| SEM | SL. NO. | Revised Scheme(RS) [C Scheme] (I year Admission 1987-88) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|-------------------------------|---|---|
| III | 1. | Applied Statistics | 4052330- CProgramming and Data Structure (N Scheme) |
| | 2. | Electronic Circuits | 4052310- BasicsofElectrical&ElectronicsEngineering (N Scheme) |
| | 3. | Digital Electronics | 34052 - Microcontroller ofV ECE |
| | 4. | Programming in COBOL | COBOL Programming (G Scheme) |
| | 5. | Electronic Circuits Lab | 4052340-Electrical&Electronics EngineeringPractical (N Scheme) |
| | 6. | COBOL Programming Lab | COBOL Programming Lab(C Scheme) |
| IV | 1. | FORTRAN Programming & Numerical Methods | Computer Architecture (M Scheme) |
| | 2. | Principles of Microprocessors | 34052 - Microcontroller ofV ECE(M Scheme) |
| | 3. | Computer Organisation | Computer Architecture(M Scheme) |
| | 4. | Computers in Business | Organisational Study & Entrepreneurship (D Scheme) |
| | 5. | FORTRAN Programming Lab | FORTRAN Programming Lab (C Scheme) |
| | 6. | Microprocessor Lab-I | Microprocessor Lab (G Scheme) |
| V | 1. | Microprocessor & Applications | 34052 Microcontroller ofV ECE(M Scheme) |
| | 2. | System Analysis & Design | Organisational Study & Entrepreneurship (D Scheme) |
| | 3. | Office Automation & Word Processing | 4052330- CProgramming and Data Structure (N Scheme) |
| | 4. | Computer Graphics | Computer Networks & Security(M Scheme) |
| | 5. | Microprocessor Application Lab | Microprocessor Based System Design Lab (D Scheme) |
| | 6. | Graphics &Office Automation Lab | Graphics &Office Automation Lab (C Scheme) |
| VI | 1. | Computer Installation & Maintenance | Computer Hardware & Servicing(M Scheme) |
| | 2. | System Software | Operating systems (M Scheme) |
| | 3. | Computer Peripherals & Interfacing | 34052 Microcontroller ofV ECE(M Scheme) |
| | 4. | Elective Theory | |
| | | 1.C Language programming | Data Structures using C(M Scheme) |
| | | 2.Operation Research | Operation Research (C Scheme) |
| | 3.Operating Systems | 4052320-Operating Systems (N Scheme) | |
| | 4.Programming in PASCAL | 4052320-Operating Systems (N Scheme) | |
| | 5. Database & Spreadsheet Lab | Database & Spreadsheet Lab(C Scheme) | |
| | 6. Project Work | Project Work(M Scheme) | |

‘D’ SCHEME (1992-2000)

| SEM | SL. NO. | New Scheme [D Scheme] (I year Admission 1991-92) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------------------------|--|---|
| III | 1. | Introduction to Computer & BASIC Programming | 4052330- CProgramming and Data Structure (N Scheme) |
| | 2. | Electronic Devices & Circuits | 4052310- BasicsofElectrical&ElectronicsEngineering (N Scheme) |
| | 3. | Digital Electronics & Microprocessor | 34052 Microcontroller ofV ECE(M Scheme) |
| | 4. | Basic Programming Lab | Basic Programming Lab(D Scheme) |
| | 5. | Electronic Devices & Circuits Lab | 4052340-Electrical&Electronics EngineeringPractical (N Scheme) |
| | 6. | Digital Electronics & Microprocessor Lab | Microprocessor Lab (G Scheme) |
| IV | 1. | Microprocessor Interfacing Techniques | 34052 Microcontroller ofV ECE(M Scheme) |
| | 2. | Assembly Language Programming | Computer Architecture (M Scheme) |
| | 3. | System Software | 4052320-Operating Systems (N Scheme) |
| | 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 (M Scheme) |
| | 2. | Microprocessor Based System Design | 34052 Microcontroller ofV ECE(M Scheme) |
| | 3. | C Programming | Data Structures using C (M Scheme) |
| | 4. | Microprocessor Based System Design Lab | Microprocessor Based System Design Lab (D Scheme) |
| | 5. | C Programming Lab | Data Structures using C Practical(M Scheme) |
| | 6. | PC Packages Lab | Software Lab (J Scheme) |
| VI | 1. | Computer Installation & Servicing | Computer Hardware and Servicing(M Scheme) |
| | 2. | Computer Communication & Graphics | Computer Networks and Security(M Scheme) |
| | 3. | Organisational Study & Entrepreneurship | Organisational Study & Entrepreneurship (D Scheme) |
| | 4. | Elective Theory | |
| | | 1.COBOLE Programming | COBOLE Programming (G Scheme) |
| | | 2.C++ Programming | 4052330- CProgramming and Data Structure (N Scheme) |
| | 3.UNIX Programming | 4052320-Operating Systems (N Scheme) | |
| | 5. Hardware Servicing Lab | Computer Servicingand Network Practical(M Scheme) | |
| | 6. Project Work | Project Work(M Scheme) | |

'G' SCHEME (1999- 2004)

| SEM | SL. NO. | G Scheme (I year Admission 1998-99) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------------------------------|---|---|
| III | 1. | Electronic Devices & Digital Electronics | 4052310- Basics of Electrical & Electronics Engineering (N Scheme) |
| | 2. | Data Structures using C | Data Structures using C (M Scheme) |
| | 3. | Operating systems | 4052320-Operating Systems (N Scheme) |
| | 4. | Electronic Devices & Digital Electronics Lab | 4052340-Electrical & Electronics Engineering Practical (N Scheme) |
| | 5. | Data Structures using C Lab | Data Structures using C Practical (M Scheme) |
| | 6. | Operating systems Lab | Software Lab (J Scheme) |
| IV | 1. | Microprocessors | 34052 Microcontroller of V ECE (M Scheme) |
| | 2. | C++ Programming | 4052330- C Programming and Data Structure (N Scheme) |
| | 3. | Computer Architecture | Computer Architecture (M Scheme) |
| | 4. | Microprocessors Lab | Microprocessors Lab (G Scheme) |
| | 5. | C++ Programming Lab | C++ Programming Lab (J Scheme) |
| | 6. | PC Packages Lab | Software Lab (J Scheme) |
| V | 1. | Networks-I | Computer Networks and Security (M Scheme) |
| | 2. | Relational Database Management Systems | Relational Database and Management Systems (M Scheme) |
| | 3. | Elective Theory-I | |
| | | 1. Visual Basic Programming | Visual Basic Programming (G Scheme) |
| | | 2. Visual C++ Programming | Visual C++ Programming (J Scheme) |
| | | 3. Power Builder | Power Builder (G Scheme) |
| | 4. | Networks-I Lab | Computer Servicing and Network Practical (M Scheme) |
| | 5. | Relational Database Management Systems Lab | Relational Database and Management Systems Practical (M Scheme) |
| | 6. | Elective Lab I | Elective Lab I (as per theory scheme) |
| VI | 1. | Computer Installation & Servicing | Computer Hardware and Servicing (M Scheme) |
| | 2. | Networks-II | Computer Networks and Security (M Scheme) |
| | 3. | Elective Theory-II | |
| | | 1. Java Programming | Object Oriented Programming with Java (M Scheme) |
| | | 2. DeskTop Publishing | DeskTop Publishing (G Scheme) |
| | | 3. COBOL Programming | COBOL Programming (G Scheme) |
| 4. | Hardware Servicing Lab | Computer Servicing and Network Practical (M Scheme) | |
| 5. | Elective Lab II | Elective Lab II (as per theory scheme) | |
| 6. | Project Work & Entrepreneurship | Project Work (M Scheme) | |

‘J’ SCHEME (2003-2008)

| SEM | SL. NO. | J Scheme (I year Admission 2002-03) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. | |
|-----|---------|--|---|--|
| III | 1. | Electronics Circuits & Microprocessor | 4052310-Basics of Electrical & Electronics Engineering (N Scheme) | |
| | 2. | C++ Programming | 4052330- C Programming and Data Structure (N Scheme) | |
| | 3. | System Programming | 4052320-Operating Systems (N Scheme) | |
| | 4. | Electronics Circuits & Microprocessor Lab | 4052340-Electrical&Electronics Engineering Practical (N Scheme) | |
| | 5. | C++ Programming Lab | C++ Programming Lab (J Scheme) | |
| | 6. | Software Lab | Software Lab (J Scheme) | |
| IV | 1. | Assembly Language Programming | Computer Architecture (M Scheme) | |
| | 2. | Data Structures & Algorithm | Data Structures using C (M Scheme) | |
| | 3. | Computer Architecture | Computer Architecture (M Scheme) | |
| | 4. | Assembly Language Programming Lab | Assembly Language Programming Lab (J Scheme) | |
| | 5. | Data Structures Lab (Implementation in C) | Data Structures using C Practical (M Scheme) | |
| | 6. | Visual Basic Programming Lab | Visual Basic Programming Lab(J Scheme) | |
| V | 1. | Networks & Administration | Computer Networks and Security(M Scheme) | |
| | 2. | Relational Database Management Systems | Relational Database and Management Systems (M Scheme) | |
| | 3. | Elective Theory -I | | |
| | | 1.Java Programming | Object Oriented Programming with Java (M Scheme) | |
| | | 2.Visual C++ Programming | Visual C++ Programming(J Scheme) | |
| | | 3. Computer Graphics | Computer Graphics (J Scheme) | |
| | 4. | Networks & Administration Lab | Computer Servicing and Network Practical(M Scheme) | |
| | 5. | Relational Database Management Systems Lab | Relational Database and Management Systems Practical(M Scheme) | |
| | 6. | Elective Lab I | Elective Lab I (as per theory scheme) | |
| | VI | 1. | Computer Installation & Servicing | Computer Hardware and Servicing (M Scheme) |
| | | 2. | Principles of Modern Communication System | Principles of Modern Communication System (J Scheme) |
| | | 3. | Elective Theory-II | |
| | | 1.Web Technology | Web Programming (M Scheme) | |
| | | 2.Multimedia | Multimedia Systems(M Scheme) | |
| | | 3.Linux Programming & Administration | 4052350- Linux Practical (N Scheme) | |

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| | 4. | Computer Installation & Servicing Lab | Computer Servicing and Network Practical(M Scheme) |
| | 5. | Elective Lab II | Elective Lab II (as per theory scheme) |
| | 6. | Project Work &Entrepreneurship | Project Work(M Scheme) |

'K' SCHEME (2007-2011)

| SEM | SL. NO. | K Scheme (I year Admission 2007-08) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------|---|---|
| III | 1. | Basics of Electrical and Electronics Engineering | 4052310- BasicsofElectrical&ElectronicsEngineering (N Scheme) |
| | 2. | C and Data Structures | Data Structure Using C (M Scheme) |
| | 3. | Operating systems | 4052320-Operating Systems (N Scheme) |
| | 4. | Electrical and Electronics Laboratory | 4052340-Electrical&Electronics EngineeringPractical (N Scheme) |
| | 5. | C and Data Structures Laboratory | Data Structure Using C Practical(M Scheme) |
| | 6. | Operating systems Laboratory | 4052350- Linux Practical (N Scheme) |
| IV | 1. | Computer Architecture and Assembly Language Programming | Computer Architecture (M Scheme) |
| | 2. | Internet Concepts and Web Designing | Web Programming (M Scheme) |
| | 3. | Object Oriented Programming with Java | Object Oriented Programming with Java(M Scheme) |
| | 4. | English Communication Laboratory | Life and Employability Skills Practical(M Scheme) |
| | 5. | Web Designing Laboratory | Web Programming Practical (M Scheme) |
| | 6. | Java Programming Laboratory | Java Programming Practical (M Scheme) |
| V | 1. | Computer Networks and Security | Computer Networks and Security(M Scheme) |
| | 2. | Relational Data Base Management Systems | Relational Database and Management Systems(M Scheme) |
| | 3. | .Net Programming(E-I) | Component Based Technology (M Scheme) |
| | 4. | Embedded Systems(E-I) | Embedded Systems(E-I) (K Scheme) |
| | 5. | Computer Networks and Security Laboratory | Computer Servicing and Network Practical (M Scheme) |
| | 6. | Relational Data Base Management System Laboratory | Relational Database and Management Systems Practical (M Scheme) |
| | 7. | .Net Programming Laboratory | Component Based Technology Practical (M Scheme) |

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| | 8. | Embedded Systems Laboratory | Embedded Systems Laboratory (K Scheme) |
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| VI | 1. | PC Hardware and Servicing | Computer Hardware and Servicing(M Scheme) |
| | 2. | Mobile Computing | Mobile Computing(M Scheme) |
| | 3. | Software Engineering(E-II) | Software Engineering(M Scheme) |
| | 4. | Multimedia Systems(E-II) | Multimedia Systems(M Scheme) |
| | 5. | PC Hardware and Servicing Laboratory | Computer Servicing and Network Practical(M Scheme) |
| | 6. | E-Publishing Laboratory | E-Publishing Laboratory(K Scheme) |
| | 7. | Multimedia Systems Laboratory | Multimedia Systems Practical(M Scheme) |
| | 8. | Project Work and Entrepreneurship | Project work (M Scheme) |

'L' SCHEME (2011- 2015)

| SEM | Sl. No | L Scheme (I year Admission 2011-2012) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. 'N' Scheme |
|-----|--------|--|---|
| III | 1. | Basics of Electrical & Electronics Engineering | 4052310- BasicsofElectrical&ElectronicsEngineering (N Scheme) |
| | 2. | Operating Systems | 4052320-Operating Systems (N Scheme) |
| | 3. | C Programming | 4052330- CProgramming and Data Structure (N Scheme) |
| | 4. | Electrical &Electronics Practical | 4052340-Electrical&Electronics EngineeringPractical (N Scheme) |
| | 5. | Linux Practical | 4052350- Linux Practical (N Scheme) |
| | 6. | C Programming Practical | 4052360-CProgramming and Data StructurePractical(N Scheme) |
| | 7. | Computer Applications Practical** | 40002-ComputerApplications Practical (N Scheme) |
| IV | 1. | Computer Architecture | COMPUTER ARCHITECTURE(M Scheme) |
| | 2. | Computer Networks and Security | COMPUTER NETWORK AND SECURITY(M Scheme) |
| | 3. | Object Oriented Programming with Java | OOPS WITH JAVA(M Scheme) |
| | 4. | Data Structures using C | DATA STRUCTURES USING C(M Scheme) |
| | 5. | Java Programming Practical | JAVA PROGRAMMING PRACTICAL(M Scheme) |
| | 6. | Data Structures using C Practical | DATA STRUCTURES USING C PRACTICAL(M Scheme) |
| | 7. | Communication and Life Skills Practical** | Life and EmployabilitySkill Practical(M Scheme) |
| V | 1. | Web Programming | WEB PROGRAMMING(M Scheme) |
| | 2. | Relational Database and Management Systems | RELATIONAL DATABASE MANAGEMENT SYSTEMS(M Scheme) |
| | 3. | .NET Programming | COMPONENT BASED PROGRAMMING (M Scheme) |
| | 4. | Elective Theory-I | |

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| | | Concepts of Advanced Computing | CLOUD COMPUTING(M Scheme) |
| | | Software Engineering | SOFTWARE ENGINEERING(M Scheme) |
| | 5. | Web Programming Practical | WEB PROGRAMMING PRACTICAL(M Scheme) |
| | 6. | Relational Database and Management Systems Practical | RELATIONAL DATABASE MANAGEMENT SYSTEMS PRACTICAL(M Scheme) |
| | 7. | .NET Programming Practical | COMPONENT BASED PROGRAMMING PRACTICAL(M Scheme) |
| VI | 1. | Computer Hardware and Servicing | COMPUTER HARDWARE AND SERVICING(M Scheme) |
| | 2. | Mobile Computing | MOBILE COMPUTING(M Scheme) |
| | 3. | Elective Theory II | |
| | | Multimedia Systems | MULTIMEDIA SYSTEMS(M Scheme) |
| | | Open Source Software | OPEN SOURCE SOFTWARE(M Scheme) |
| | 4. | Computer Servicing and Network Practical | COMPUTER SERVICING AND NETWORK PRACTICAL(M Scheme) |
| | 5. | System Administration Practical | System Administration Practical (L Scheme) |
| | 6. | Elective Practical II | |
| | | Multimedia Systems Practical | MULTIMEDIA SYSTEMS PRACTICAL (M Scheme) |
| | | Open Source Software Practical | OPEN SOURCE SOFTWARE PRACTICAL (M Scheme) |
| | 7. | Project Work | Project Work(M Scheme) |

INFORMATION TECHNOLOGY

‘G’ SCHEME (1999-2004)

| SEM | SL. NO. | G Scheme (I year Admission 1998-99) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------|---|---|
| III | 1. | Electronic Devices & Digital Electronics | 4052310- BasicsofElectrical&ElectronicsEngineering (N Scheme) |
| | 2. | Management Information System | Management Information System |
| | 3. | Operating systems | 4046320-Operating Systems and Computer architecture (N Scheme) |
| | 4. | Electronic Devices & Digital Electronics Lab | Electrical & Electronics Practical |
| | 5. | Operating systems Lab | Software Lab (J Scheme) |
| | 6. | PC Packages Lab | Software Lab (J Scheme) |
| IV | 1. | Networks | Computer Hardware and Networks |
| | 2. | Database Management Systems | Database Management Systems (G Scheme) |
| | 3. | C++ Programming | C Programming |
| | 4. | Networks Lab | Computer Hardware and Networks Practical |
| | 5. | Database Management Systems Lab | Database Management Systems Lab (G Scheme) |
| | 6. | C++ Programming Lab | C++ Programming Lab (J Scheme) |
| V | 1. | Relational Database Management Systems | Relational Database and Management Systems |
| | 2. | System Analysis & Design | System Analysis & Design (J Scheme) |
| | 3. | Elective Theory-I | |
| | | 1. Visual Basic Programming | Visual Basic Programming(G Scheme) |
| | | 2. Visual C++ Programming | Visual C++ Programming(J Scheme) |
| | | 3. Power Builder | Power Builder(G Scheme) |
| | 4. | Relational Database Management Systems Lab | Relational Database and Management Systems Practical |
| | 5. | Desktop Publishing | Desktop Publishing(G Scheme) |
| | 6. | Elective Lab I | Elective Lab I (as per theory scheme) |
| | VI | 1. | Software Engineering |
| 2. | | Internet Programming | Internet Programming (G Scheme) |
| 3. | | Elective Theory-II | |
| | | 1. Java Programming | Object Oriented Programming with Java |
| | | 2. COBOL Programming | COBOL Programming (G Scheme) |
| | | 3. Computer Installation & Servicing | 35261 Computer Hardware and Servicing of VI Computer Engineering |
| 4. | | Internet Programming Lab | Web Programming Practical |
| 5. | | Elective Lab II | Elective Lab II (as per theory scheme) |
| 6. | | Project Work & Entrepreneurship | Project Work |

‘J’ SCHEME (2003-2008)

| SEM | SL. NO. | J Scheme (I year Admission 2002-03) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|------------|---|---|---|
| III | 1. | Electronics Circuits & Microprocessor | 4052310-Basics of Electrical & Electronics Engineering (N Scheme) |
| | 2. | C++ Programming | C Programming |
| | 3. | System Programming | 4046320-Operating Systems and Computer architecture (N Scheme) |
| | 4. | Electronics Circuits & Microprocessor Lab | Electrical & Electronics Practical |
| | 5. | C++ Programming Lab | C++ Programming Lab (J Scheme) |
| | 6. | Software Lab | Software Lab (J Scheme) |
| IV | 1. | Computer Graphics | Computer Graphics (J Scheme) |
| | 2. | Data Structures & Algorithm | Data Structures using C |
| | 3. | Management Information System | Management Information Systems |
| | 4. | Computer Graphics Lab | Computer Graphics Lab (J Scheme) |
| | 5. | Data Structures Lab (Implementation in C) | Data Structures using C Practical |
| | 6. | Visual Basic Programming Lab | Visual Basic Programming Lab (J Scheme) |
| V | 1. | Java Programming | Object Oriented Programming with Java |
| | 2. | Relational Database Management Systems | Relational Database and Management Systems |
| | 3. | Elective Theory-I | |
| | | 1.Linux Programming & Administration | Linux Practical |
| | | 2.Visual C++ Programming | Visual C++ Programming (J Scheme) |
| | | 3.Multimedia | Multimedia Systems |
| VI | 4. | Java Programming Lab | Java Programming Practical |
| | 5. | Relational Database Management Systems Lab | Relational Database and Management Systems practical |
| | 6. | Elective Lab I | Elective Lab I (as per theory scheme) |
| | 1. | Web Technology | Web Programming |
| | 2. | Networks & Administration | Computer Hardware and Networks |
| | 3. | Elective Theory-II | |
| | 1.System Analysis & Design | System Analysis & Design (J Scheme) | |
| | 2.Principles of Modern Communication System | Principles of Modern Communication System (J Scheme) | |
| | 3.Principles of Programming Languages | Principles of Programming Languages (J Scheme) | |
| | 4. | Web Technology Lab | Web Programming Practical |
| | 5. | Networks & Administration Lab | Computer Hardware and Networks Practical |
| | 6. | Project Work & Entrepreneurship | Project Work |

'K' SCHEME (2007-2011)

| SEM | SL. NO. | K Scheme (I year Admission 2007-08) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------------------------|---|---|
| III | 1. | Basics of Electrical and Electronics Engineering | 4052310- Basics of Electrical & Electronics Engineering (N Scheme) |
| | 2. | C and Data Structures | Data Structures using C |
| | 3. | Operating systems | 4046320- Operating Systems and Computer architecture (N Scheme) |
| | 4. | Electrical and Electronics Laboratory | Electrical & Electronics Practical |
| | 5. | C and Data Structures Laboratory | Data Structures using C Practical |
| | 6. | Operating systems Laboratory | Linux Practical |
| IV | 1. | Management Information Systems | Management Information Systems |
| | 2. | Internet concepts and Web Designing | Web Programming |
| | 3. | Object Oriented Programming with Java | Object Oriented Programming with Java |
| | 4. | English Communication Laboratory | Life and Employability Skill Practical |
| | 5. | Web Designing Laboratory | Web Programming Practical |
| | 6. | Java Programming Laboratory | Java Programming Practical |
| V | 1. | Open Source Softwares | No alternative |
| | 2. | Relational Data Base Management Systems | Relational Database and Management Systems |
| | 3. | Elective - I | |
| | | 1. .Net Programming | Component Based Technology |
| | | 2. Computer Networks and Security | 35242 Computer Networks and Security of IV Semester Computer Engg |
| | 4. | Open Source Softwares Laboratory | No alternative |
| | 5. | Relational Data Base Management System Laboratory | Relational Database and Management System Practical |
| | 6. | Elective-I Practical | |
| | | 1. .Net Programming Laboratory | Component Based Technology Practical |
| | | 2. Computer Networks and Security Laboratory | Computer Hardware and Networks Practical |
| VI | 1. | Multimedia Systems | Multimedia Systems |
| | 2. | Software Engineering | Software Engineering |
| | 3. | Elective - II | |
| | | Financial Accounting and Management | No alternative |
| | Advanced Java Programming | Advanced Java Programming | |

| | | | |
|--|----|--------------------------------------|-------------------------------------|
| | 4. | Multimedia Systems Laboratory | Multimedia Systems Practical |
| | 5. | Elective –II Practical | |
| | | Accounting Laboratory | No alternative |
| | | Advanced Java Programming Laboratory | Advanced Java Programming Practical |
| | 6. | Project Workand Entrepreneurship | Project Work |

‘L’ SCHEME (2011- 2015)

| SEM | Sl.No | L Scheme (I year Admission 2011-2012) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---|--|---|
| III | 1. | Basics of Electrical & Electronics Engineering* | 4052310- BasicsofElectrical&ElectronicsEngineering (N Scheme) |
| | 2. | Operating Systems | 4046320-Operating Systemsand Computer architecture (N Scheme) |
| | 3. | C - Programming* | 4052330- CProgramming and Data Structure (N Scheme) |
| | 4. | Electrical & Electronics Practical* | 4052340-Electrical&Electronics EngineeringPractical (N Scheme) |
| | 5. | Linux Practical* | 4052350- Linux Practical (N Scheme) |
| | 6. | C - Programming Practical* | 4052360-CProgramming and Data StructurePractical(N Scheme) |
| | 7. | Computer Applications Practical** | 40002-ComputerApplications Practical (N Scheme) |
| IV | 1. | Management Information Systems | Management Information Systems (M Scheme) |
| | 2. | Information Security | Information Security(M Scheme) |
| | 3. | Object Oriented Programmingwith Java * | ObjectOrientedProgramming with Java(M Scheme) |
| | 4. | Data Structures using C* | DataStructuresusingC(M Scheme) |
| | 5. | Java Programming Practical* | JavaProgrammingPractical(M Scheme) |
| | 6. | Data Structures using C Practical* | DataStructuresusingCPractical(M Scheme) |
| | 7. | Communication and Life Skill Practical** | Lifeand Employability Skills Practical(M Scheme) |
| V | 1. | Web Programming* | WebProgramming(M Scheme) |
| | 2. | Relational Database and Management Systems* | RelationalDatabaseandManagementSystems(M Scheme) |
| | 3. | .Net Programming* | Component Based Technology(M Scheme) |
| | 4. | Elective Theory-I | |
| | | a. Concepts of Advanced Computing* | CloudComputing(M Scheme) |
| | | b. Software Engineering* | SoftwareEngineering(M Scheme) |
| | 5. | Web Programming Practical* | WebProgrammingPractical(M Scheme) |
| 6. | Relational Database and Management Systems Practical* | RelationalDatabaseandManagementSystemsP ractical(M Scheme) | |
| 7. | .Net Programming Practical | Component Based Technology Practical(M Scheme) | |
| VI | 1. | Advanced Java Programming | Advanced Java Programming(M Scheme) |
| | 2. | XML Programming | XML Programming (L Scheme) |
| | 3. | Elective Theory II | |
| | | Multimedia Systems | MultimediaSystem(M Scheme) |
| | Computer Hardware and Networks | Computer Hardware and Networks(M Scheme) | |
| 4. | Advanced Java and XML | Advanced Java Programming Practical(M | |

| | | | |
|--|----|---|--|
| | | Programming Practical | Scheme) |
| | 5. | System Administration Practical | System Administration Practical(L Scheme) |
| | 6. | Elective Practical II | |
| | | a. Multimedia Systems Practical | MultimediaSystemsPractical(M Scheme) |
| | | b. Computer Hardware and Networks Practical | Computer Hardware and Networks Practical(M Scheme) |
| | 7. | Project Work | Project Work(M Scheme) |

AUTOMOBILE ENGINEERING
'G' SCHEME (1999 -2004)

| SEM | SL. NO. | G Scheme (I year Admission 1998-99) | Relevant papers in which the candidate has to write in October 2021 Board Examinations |
|------------|----------------|--|---|
| III | 1. | Mechanics of Materials | 4020310- Strength of Materials * (N Scheme) |
| | 2. | Manufacturing Processes | 4020330-Manufacturing Technology -I* (N Scheme) |
| | 3. | Fluid Mechanics & Fluid Power | Fluid Mechanics & Fluid Power * (M Scheme) |
| | 4. | Machine Drawing I | Machine Drawing**(M Scheme) |
| | 5. | Mechanics of Materials & Fluid Mechanics Lab | Strength of Materials and Fluid Mechanics Practical* (M Scheme) |
| | 6. | Workshop I (Smithy, Foundry & Welding) | 4020360- Manufacturing Technology - I Practical (N Scheme) |
| IV | 1. | Applied Thermodynamics | Thermal Engineering (M Scheme) |
| | 2. | Machine Shop Technology | Special Machines* (M Scheme) |
| | 3. | Electrical & Electronics Engineering | Electrical Drives & Control* (M Scheme) |
| | 4. | AutoCAD Lab | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Electrical & Electronics Engineering Lab | Electrical Drives & Control Practical* (M Scheme) |
| | 6. | Workshop II (Lathe & Metrology) | Workshop II(Turning, Drilling & Shaping) * [K Scheme] |
| V | 1. | Automobile Engine | Automobile Engines (M Scheme) |
| | 2. | Chassis & Transimission | Automobile Chassis& transmission(M Scheme) |
| | 3. | Body Building Technology | Automobile Body Building Engineering (M Scheme) |
| | 4. | Automobile Engines Lab | Thermal Engineering & IC Engines Practical (M Scheme) |
| | 5. | Automobile, Chassis Transmission, Electrical Equipment Lab | Automobile Chassis and Transmission Practical (M Scheme) |
| | 6. | Work shop - III (Spl. Machines) | Special Machines Practical* (M Scheme) |
| VI | 1. | Industrial Management & Road Transport Organisation | Industrial Management & Road Transport Organisation(M Scheme) |
| | 2. | CAD/CAM | Computer Aided Design and Manufacturing * (M Scheme) |
| | 3. | Automobile Electrical Equipments | Autotronics(M Scheme) |
| | 4. | CAD/CAM Lab | Computer Aided Design and Manufacturing Practical *(M Scheme) |
| | 5. | Automobile Workshop | Automobile Workshop Practical(M Scheme) |
| | 6. | Project Work | Project Work(M Scheme) |

Note: 1. * - Common with Mechanical Engineering

'J' SCHEME (2003- 2008)

| SEM | SL. NO. | J Scheme (I year Admission 2002-03) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------|---|---|
| III | 1. | Mechanics of Materials | 4020310- Strength of Materials * (N Scheme) |
| | 2. | Manufacturing Processes | 4020330-Manufacturing Technology -I* (N Scheme) |
| | 3. | Fluid Mechanics & Fluid Power | Fluid Mechanics & Fluid Power * |
| | 4. | Machine Drawing | Machine Drawing**(M Scheme) |
| | 5. | Mechanics of Materials & Fluid Mechanics Lab | Strength of Materials and Fluid Mechanics Practical* |
| | 6. | Workshop I (Smithy, Foundry &Welding) | 4020360- Manufacturing Technology - I Practical (N Scheme) |
| IV | 1. | Applied Thermodynamics | Thermal Engineering |
| | 2. | Machine Shop Technology | Special Machines* |
| | 3. | Electrical & Electronics Engineering | Electrical Drives & Control* |
| | 4. | Thermodynamics Lab | Thermal and Automobile Engineering Practical* |
| | 5. | Electrical & Electronics Engineering Lab | Electrical Drives & Control Practical* |
| | 6. | Workshop II (Lathe & Metrology) | Workshop II(Turning, Drilling & Shaping) * [K Scheme] |
| V | 1. | Automobile Engines | Automobile Engines |
| | 2. | Automobile Chassis & transmission | Automobile Chassis & Transmission |
| | 3. | Automobile Electrical Equipments | Autotronics |
| | 4. | Automobile Engines Lab | Thermal Engineering & IC Engines Practical |
| | 5. | Automobile chassis trans & Elect. Equi. Lab | Automobile Chassis andTransmission Practical |
| | 6. | Work Shop - III (Special Machines) | Special Machines Practical* |
| VI | 1. | Industrial Management & Road Transport Org. | Industrial management and Road Transport Organization |
| | 2. | CAD / CAM | Computer Aided Design and Manufacturing* |
| | 3. | Body building Technology | Automobile Body Building Engineering |
| | 4. | CAD / CAM Lab | Computer Aided Design and Manufacturing Practical* |
| | 5. | Automobile Workshop | Automobile Workshop Practical |
| | 6. | Project work, Entrepreneurship& Personal Skills | Project work |

Note: 1. * - Common with Mechanical Engineering

'K' SCHEME (2007- 2011)

| SEM | SL. NO. | K Scheme (I year Admission 2007-08) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|---------|---|---|
| III | 1. | Solid Mechanics and Fluid power Systems | 4020310- Strength of Materials * (N Scheme) |
| | 2. | Manufacturing Process* | 4020330-Manufacturing Technology -I* (N Scheme) |
| | 3. | Automotive engines | Automobile Engines (M Scheme) |
| | 4. | Machine Drawing - CAD | Machine Drawing**(M Scheme) |
| | 5. | Solid Mechanics and Fluid power systems lab. | Strength of Materials and Fluid Mechanics Practical* (M Scheme) |
| | 6. | Work shop – I (Smithy, Foundry &Welding)* | 4020360- Manufacturing Technology - I Practical (N Scheme) |
| IV | 1. | Applied Thermodynamics* | Thermal Engineering (M Scheme) |
| | 2. | Machine shop Technology* | Special Machines* (M Scheme) |
| | 3. | Automotive Electrical & Electronics Systems | Autotronics (M Scheme) |
| | 4. | Automotive Engines laboratory | Thermal Engineering & IC Engines Practical (M Scheme) |
| | 5. | Autotronics Laboratory | Autotronics Practical (M Scheme) |
| | 6. | Workshop II (Turning, Drilling and Shaping)* | No alternative |
| V | 1. | Automotive Chassis & Transmission | Automobile Chassis and Transmission (M Scheme) |
| | 2. | Vehicle Body Engineering | Automobile Body Building Engineering (M Scheme) |
| | 3. | Industrial management and Road Transport Organization | Industrial Management and Road Transport Organisation (M Scheme) |
| | | English Communication Practical** | Life & Employability Skills Practical (M Scheme) |
| | | Automotive Chassis & Transmission Laboratory | Automobile Chassis and Transmission Practical (M Scheme) |
| | 4. | Automobile Workshop | Automobile Workshop Practical(M Scheme) |
| VI | 1. | Automotive Maintenance and Pollution Control | Automobile Engines (M Scheme) |
| | 2. | Computer Aided Design and Manufacturing * | Computer Aided Design and Manufacturing* (M Scheme) |
| | 3. | Elective Theory | |
| | | 1. Two & Three wheelers | Two and Three Wheeler Technology (M |

| | | Technology | Scheme) |
|--|----|---|--|
| | | 2. Tractor and Farm Equipments | Tractor and Farm Equipments (M Scheme) |
| | 4. | Computer Aided design and Manufacturing Practical * | Computer Aided Design and Manufacturing Practical * (M Scheme) |
| | 5. | Elective Practical | |
| | | 1. Two & Three wheelers Technology Practical | Two andThree Wheeler Technology Practical (M Scheme) |
| | | 2. Tractor and Farm EquipmentsPractical | Tractor and Farm Equipments Practical (M Scheme) |
| | 6. | Project work, Entrepreneurship, Environment and Disaster management | Project Work (M Scheme) |

Note: 1. * - Common with Mechanical Engineering

'L' SCHEME (2011- 2015)

| SEM | Sl. No | L Scheme (I year Admission 2011-2012) | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|-----|--------|---|---|
| III | 1. | Strength of Materials * | 4020310 -Strength of Materials(NScheme) |
| | 2. | Automobile Engines | Automobile Engines (M Scheme) |
| | 3. | Automobile Chassis and Transmission | Automobile Chassis and Transmission (M Scheme) |
| | 4. | Machine Drawing | Machine Drawing**(M Scheme) |
| | 5. | Mechanical Testing & Quality Control Practical * | Strength of Materials and Metrology Practical (M Scheme) |
| | 6. | Automobile Chassis and Transmission Practical | Automobile Chassis and Transmission Practical (M Scheme) |
| | 7. | Computer Application Practical * | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| IV | 1. | Manufacturing Technology – I * | 4020330-Manufacturing Technology – I(M Scheme) |
| | 2. | Heat Power Engineering | Thermal Engineering (M Scheme) |
| | 3. | Industrial Automation | Industrial Automation (M Scheme) |
| | 4. | Computer Aided Machine Drawing Practical* | 4020350 - Machine Drawing and CAD Practical(N Scheme) |
| | 5. | Manufacturing Technology – I Practical* | 4020330-Manufacturing Technology -I* (N Scheme) |
| | 6. | Heat Power Engineering Practical | Thermal Engineering and IC Engines Practical (M Scheme) |
| | 7. | Industrial Automation Practical | Process Automation Practical** (M Scheme) |
| V | 1. | Industrial Management and Road Transport Organisation | 4020330-Manufacturing Technology -I* (N Scheme) |
| | 2. | Manufacturing Technology – II * | Thermal Engineering (M Scheme) |
| | 3. | Autotronics | Autotronics (M Scheme) |
| | 4. | Elective Theory-I | |
| | | Alternate fuels and Energy systems | Alternative fuels and Energy Systems (M Scheme) |
| | | Automobile Maintenance | Automobile Maintenance & Emission Control (M Scheme) |
| | | Industrial Robotics | No Equivalent |

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|----|----|---|--|
| | 5. | Autotronics Practical | Autotronics Practical (M Scheme) |
| | 6. | Manufacturing Technology–II Practical * | Special Machines Practical**(M Scheme) |
| | 7. | Communication and Life Skills Practical ** | Life and Employability Skills Practical\$ (M Scheme) |
| VI | 1. | BodyBuilding Engineering. | Automobile Body Building Engineering (M Scheme) |
| | 2. | Computer Integrated Manufacturing | Computer Aided Design and Manufacturing**(M Scheme) |
| | 3. | Elective Theory II | |
| | | Two and Three Wheeler Technology | Two and Three Wheeler Technology (M Scheme) |
| | | Tractor and Farm Equipments | Tractor and Farm Equipments (M Scheme) |
| | | Aeronautics Engineering | No Equivalent |
| | 4. | Computer Integrated Manufacturing Practical * | Computer Aided Design and Manufacturing Practical** (M Scheme) |
| | 5. | Automobile Workshop Practical | Automobile Workshop Practical (M Scheme) |
| | 6. | Elective Practical II | |
| | | Two and Three Wheeler Technology Practical | Two and Three Wheeler Technology Practical (M Scheme) |
| | | Tractor and Farm Equipments Practical | Tractor and Farm Equipments Practical (M Scheme) |
| | | Aeronautics Engineering Practical | No Equivalent |
| | 7. | Project Work | Project Work |

AUTOMOBILE ENGINEERING -1021

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---------------------------|---|
| 1. | D | Automobile Technology III | 32143 Automobile Engines (M Scheme) |

TOOL ENGINEERING -1022

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--------------------------------|---|
| 1. | D | Advanced Production Technology | 32232 – Manufacturing Technology (M Scheme) |

| | | | |
|----|---|-----------------------|---|
| 2. | G | Engineering Metrology | 4022330 – Engineering Metrology (N Scheme) |
|----|---|-----------------------|---|

REFRIGERATION & AIRCONDITIONING-1024

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | D | Refrigeration and Air-Conditioning Drawing | No alternate Paper |
| 2. | G | Refrigeration I | 32451 – Refrigeration (M Scheme) |
| 3. | G | Air Conditioning I | 32452 – Air conditioning (M Scheme) |

PRODUCTION ENGINEERING-1025

* common with V Mechanical Engineering

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|--|
| 1. | J | Metrology & Statistical Quality Control (2553) | Total Quality Management (32071)* (common with V MechanicalEngg) (M Scheme) (M Scheme) |
| 2. | J | Advanced Manufacturing Systems (4763) | Computer Aided Design and Manufacturing(32062) (M Scheme) |
| 3. | K | Thermodynamics & Automobile Technology (12541) | Thermal Engineering (32141) (common with Automobile Engg) (M Scheme) |
| 4. | K | Metal Forming Process (12551) | Metal Forming Technology of VI Mechanical (Foundry) [39164] (M Scheme) |

METALLURGY-1026

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|----------------------------------|---|
| 1. | D | Fuels, Furnaces And Refractories | 4026330 – Allied Engineering (N Scheme) |

MECHANICAL ENGINEERING (DESIGN AND DRAFTING) -1029

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | G | Mechanics of Machines | 4020310 – Strength of Materials of III Mech (N Scheme) |
| 2. | G | Basics of Machine Design | 32051 - Design of Machine Elements of V Mech (M Scheme) |
| 3. | G | Design of Jigs Fixtures Gauges and Press Tool | 32042 – Special Machines of V Mech (M Scheme) |
| 4. | G | Machine Design and Drawing (WP) | 4020350 – MACHINE DRAWING AND CAD PRACTICAL of III Mech (N Scheme) |
| 5. | G | Design of Transmission System | 32051 - Design of Machine Elements of V Mech (M Scheme) |
| 6. | G | Design of Transmission System (WP) | 4020350 – MACHINE DRAWING AND CAD PRACTICAL of III Mech (N Scheme) |

MECHANICAL ENGINEERING (TOOL AND DIE) -1220

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | G | Engineering Metrology | 4022330 – Engineering Metrology (N Scheme) |
| 2. | G | TQM | 32071 – Total Quality Management of V Mechanical (M Scheme) |
| 3. | J | Theory of Metal Cutting and Cutting Tools | 32243 – Tool Room Special Machines (M Scheme) |

MACHINE TOOL MAINTENANCE AND REPAIRS (SANDWICH) -2103

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | G | Lubrication Principles and Practice | 39264 – Machine Tool Reconditioning and Overhauling (M Scheme) |
| 2. | G | Hydraulics Pneumatics Fluidics and Automation | 4922310 – Solid Mechanics and Fluid Mechanics (N Scheme) |
| 3. | G | Metrology and Instrumentation | 39253 – Engineering Metrology (M Scheme) |
| 4. | G | Industrial Equipment Maintenance | 39254 – Maintenance of Machine Drive Elements (M Scheme) |
| 5. | G | Machine Tool Reconditioning and Overhauling | 39264 – Machine Tool Reconditioning and Overhauling (M Scheme) |
| 6. | G | Electrical Maintenance Controls and PLC | 32044 – Electrical Drives and Control (M Scheme) |

FOUNDRY TECHNOLOGY (SANDWICH) -2104

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | D | Metal Forming Processes | 39164 – Metal Forming Technology (M Scheme) |
| 2. | D | Casting Design and Inspection | 4922320 – Industrial Production Technology –I (N Scheme) |
| 3. | D | Hydraulics, Pneumatics, Elec. & Mech. Equipments | 4922310 – Solid Mechanics and Fluid Mechanics (N Scheme) |
| 4. | G | Furnace and Moulding Materials Process | 39163 – Foundry Mechanization and Fettling (M Scheme) |
| 5. | G | Foundry Mechanisation and PLC | 39153 – Moulding Materials and Processes (M Scheme) |
| 6. | G | Metallurgy of Casting Metals | 4921330-Physical Metallurgy(N Scheme) |

AGRICULTURAL TECHNOLOGY- 1222

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--------------------------------|---|
| 1. | J | Agricultural Extension (2372) | Sugarcane Crop Production (32381) (M Scheme) |
| 2. | J | Dairy Engineering (2383) | Post Harvest Technology (32371) (M Scheme) |
| 3. | K | Irrigation Engineering (12372) | Irrigation Engineering (32343) (M Scheme) |

AGRICULTURAL ENGINEERING- 1023

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | D | Tractor and Transmission System | 32351 - Tractor and Its Power Units (M Scheme) |
| 2. | D | Farm Processing and Non-Conventional Energy Sources | 32371 – Post Harvest Technology (M Scheme) |

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

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | G | Fluid Mechanics | 37042 – Momentum Transfer (M Scheme) |
| 2. | G | Heat Transfer | 37051 – Heat Transfer (M Scheme) |
| 3. | G | Process Engineering and Economics | No Alternate Paper |
| 4. | J | Momentum & Heat Transfer (7042) | 37042 - Momentum Transfer (M Scheme) |
| 5. | J | Inorganic Chemical Technology (7043) | 37043 - Inorganic Chemical Technology (M Scheme) |
| 6. | J | Computer Programming and Applications (7051) | 40002 – Computer Applications Practical (N Scheme) |
| 7. | J | Organic Chemical Technology (7054) | 37071 - Organic Chemical Technology (M Scheme) |

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|----|---|----------------------------|---|
| 8. | K | Physical Chemistry (17041) | 40014 – Engineering Chemistry – I (N Scheme) |
| 9. | K | Process Technology (17043) | 37043 - Inorganic Chemical Technology (M Scheme) |

PETROCHEMICAL ENGINEERING - 1075

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | G | General Chemistry | 4076340 – Industrial Chemistry of III Chemical (N Scheme) |
| 2. | G | Oil Exploration and Refinery Fundamentals | 4075310 – Petroleum Refining (N Scheme) |
| 3. | G | Mechanical Operations | 37041 – Mechanical Operations (M scheme) |
| 4. | G | Process Engineering and Economics | No Alternate Paper |
| 5. | J | Momentum & Heat Transfer (7042) | 37042 - Momentum Transfer (M scheme) |
| 6. | J | Computer Programming and Applications (7051) | 40002 – Computer Applications Practical (N Scheme) |
| 7. | J | Co-Generation Processes (7163) | 32052 – Thermal and Automobile Engineering of V Mechanical (M scheme) |
| 8. | K | Process Utilities (17182) | 37181 – Energy Resources and Safety Management (M scheme) |

PETROCHEMICAL TECHNOLOGY -1071

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | D | Safety, Pollution and Organic Synthesis | 37072 – Industrial Safety and Pollution Control of V Chemical (M scheme) |
| 2. | D | Industrial Management | 37561 – Plant Engineering Management of VI Polymer (M scheme) |

| | | | |
|----|---|--|--|
| 3. | G | General Chemistry | 4076340 – Industrial Chemistry of III Chemical (N Scheme) |
| 4. | G | Oil Exploration and Refinery Fundamentals | 4075310 – Petroleum Refining (N Scheme) |
| 5. | G | Mechanical Operations | 37041 – Mechanical Operations (M Scheme) |
| 6. | G | Process Engineering and Economics | No Alternate Paper |

SUGAR TECHNOLOGY -1074

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | G | Mechanical Operations | 37041 – Mechanical Operations of IV Chemical (M Scheme) |
| 2. | G | Industrial Management | 37561 – Plant Engineering Management of VI Polymer (M Scheme) |
| 3. | J | Momentum & Heat Transfer (7042) | 37042 - Momentum Transfer of IV Chemical (M Scheme) |
| 4. | J | Computer Programming and Applications (7051) | 40002 – Computer Applications Practical (N Scheme) |

CERAMIC TECHNOLOGY- 2080

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | H | Elements of Ceramics | No Alternate Paper |
| 2. | J | Computer Programming and Applications (7051) | 40002 – Computer Applications Practical (N Scheme) |
| 3. | J | Ceramic Chemistry (8031) | 4980330 – Ceramic Raw Materials (N Scheme) |
| 4. | K | Materials Science(18033) | No Alternate Paper |
| 5. | K | Abrasives(18071) | 38082 - Special Ceramics (M Scheme) |
| 6. | K | Glass Technology (18062) | 38071 – Glass Technology (M Scheme) |

PETROLEUM TECHNOLOGY- 1072

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|-----------------------------------|---|
| 1. | D | Management of Maintenance | 37561 – Plant Engineering Management of VI Polymer (M Scheme) |
| 2. | D | Business Management | No Alternate Paper |
| 3. | G | General Chemistry | 4076340 – Industrial Chemistry of III Chemical (N Scheme) |
| 4. | G | Refinery Chemistry | No Alternate Paper |
| 5. | G | Stoichiometry | 37052 – Chemical Process Calculations of V Chemical (M Scheme) |
| 6. | G | Pollution Control And Safety | 37561 – Plant Engineering Management of VI Polymer (M Scheme) |
| 7. | G | Refinery Unit Processes | 4075310 – Petroleum Refining (N Scheme) of III Petrochemical (N Scheme) |
| 8. | G | Process Engineering and Economics | No Alternate Paper |

MARINE ENGINEERING -1027

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | D | Engineering Mechanics and Material Science | 4027310 – Marine Strength of Materials and Fluid Mechanics (N Scheme) |
| 2. | D | Marine IC Engines | 32752 – Marine Diesel Engine and Power Plant (M Scheme) |
| 3. | D | Communication Engineering | 34042 – Communication Engineering of IV ECE (M Scheme) |
| 4. | D | Marine Engineering Design and Drawing | 32051 – Design of Machine Elements of V Mechanical (M Scheme) |
| 5. | D | Computer Programming and Applications | 40002 – Computer Applications Practical (N Scheme) |
| 6. | D | Marine Power Plant (Steam) | 32752 – Marine Diesel Engine and Power Plant (M Scheme) |
| 7. | D | Marine Control Engineering and Automation | 34253- Control Engineering of V Inst. & Control Engg. (M Scheme) |
| 8. | J | Marine Engineering Design (2742) | 32051 – Design of Machine Elements of V Mechanical (M Scheme) |
| 9. | J | Marine IC Engines (2752) | 32752 – Marine Diesel Engine and Power Plant (M Scheme) |
| 10. | J | Marine Power plant (2753) | 32752 – Marine Diesel Engine and Power Plant (M Scheme) |
| 11. | K | Marine Welding Technology (12743) | 4020330 – Manufacturing Technology I |

| | | | |
|----|---|---------------------------|--|
| | | | of III Mechanical (N Scheme) |
| 12 | K | Shipping Practice (12751) | 4027320 – Ship Construction Technology (N Scheme) |

TEXTILE TECHNOLOGY (FT & SW) -1060 & 2060

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | J | Process Control in Spinning and Weaving (6082) | 36082 - Process Control in Spinning (M Scheme) |
| 2. | J | Textile Machinery Control Systems (6083) | 36081 – Maintenance of Textile Machineries (M Scheme) |
| 3. | K | Statistical Quality Control in Textiles (16072) | 36082 – Process Control in Spinning (M Scheme) |
| 4. | K | Fabric Structure(16062) | 36044 - Elementary Textile Design (M Scheme) |
| 5. | K | Textile Marketing and Merchandising(16082) | 36671 - Apparel Merchandising of V Sem Garment (M Scheme) |

TEXTILE PROCESSING -1061

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | D | Weaving | 36142 – Technology of Fabric Manufacture (M Scheme) |
| 2. | K | Textile Marketing and Merchandising(16082) | 36671 - Apparel Merchandising of V Garment (M Scheme) |

MANMADE FIBRE TECHNOLOGY -1062

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | D | Textile Testing | 36051 - Textile Testing (M Scheme) |
| 2. | D | Synthetic and Blended Textile Processing | 36143 – Dyeing of Manmade Fibre and Blends of IV Textile Processing (M Scheme) |
| 3. | D | Technology of Synthetic Fibre Manufacture | 36253 – Synthetic Fibre Manufacture (M Scheme) |
| 4. | D | Technology of Advanced Weaving | 36142 – Technology of Fabric Manufacture (M Scheme) |
| 5. | D | Technology of Blended Yarn | 36141 – Technology of Yarn |

| | | | |
|----|---|---|---|
| | | Manufacture | Manufacture (M Scheme) |
| 6. | G | Basic Engineering for Textile Industry | 36041 – Basic Engineering of IV Textile Tech (M Scheme) |
| 7. | G | Textured Yarn Technology | No Alternate Paper |
| 8. | G | Production and Processing of Blended Yarns An | No Alternate Paper |
| 9. | J | Eco-Friendly Textiles & Garment Processing | 36052 – Textile Wet Processing of V Textile Tech (M Scheme) |

TEXTILE DESIGNING AND WEAVING -1063

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1 | D | Maintenance of Textile Machinery | 36081 – Maintenance of Textile Machineries of VI Textile Tech. (M Scheme) |
| 2 | D | Woven Design and Printing Screen Development | No Alternate Paper |

TEXTILE MARKETING AND MANAGEMENT -1064

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--------------------------------------|---|
| 1. | D | Advertising and Sales Promotion | 36482 – Textile Advertisement Management (M Scheme) |
| 2. | D | Office Management and Correspondence | No Alternate Paper |
| 3. | D | Co-Operative Management | 36453 – Export Marketing (M Scheme) |
| 4. | J | Production Management (6472) | 36472 - Human Resource Development and Entrepreneurship (M Scheme) |
| 5. | J | Co-Operative Management (6483) | 36453 - Export Marketing (M Scheme) |
| 6. | K | Modern Trends in Marketing (16482) | 36482 - Textile Advertisement Management (M Scheme) |

GARMENT TECHNOLOGY -1066

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | D | Computer Applications in Garment Technology | 36664 – Fashion and Garment CAD Practical (M Scheme) |
| 2. | D | Clothing Machinery and Equipment | 36643 – Clothing Machinery and Equipment (M Scheme) |
| 3. | G | Apparel Marketing | No Alternate Paper |
| 4. | G | Pattern Grading | No Alternate Paper |
| 5. | G | Pattern Drafting and Construction III | No Alternate Paper |
| 6. | J | Creative Fashion Designing (6671) | 36632 - Fashion Designing (M Scheme) |

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|-----|---|--------------------------------------|--|
| 7. | J | Hand Embroidery (6672) | 36635 – Embroidery Practical (M Scheme) |
| 8. | J | Special Garments (6681) | 36644 – Pattern Drafting and Construction – I (M Scheme) |
| 9. | J | Dress Designing - Ladies Wear (6682) | 36653 - Pattern Drafting and Construction – II (M Scheme) |
| 10. | J | Interior Decoration (6683) | 37881 - Interior Decoration of VI Fashion Tech. (M Scheme) |
| 11. | K | Handicrafts (16671) | No Alternate Paper |
| 12. | K | Knit Wear Technology (16681) | 36782 - Knitted Garment Construction of VI TT(Knitting) (M Scheme) |

KNITTING TECHNOLOGY -1067

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---------------------------------|---|
| 1. | D | General Textile Chemistry | 4061320 – Pretreatment of Textile Colouration of III Text. Proc (N Scheme) |
| 2. | D | Knitted Clothing Technology | 36782 – Knitted Garment Construction (M Scheme) |
| 3. | D | Inspection and Quality Control | 36662 – Apparel Quality Control (M Scheme) |
| 4. | D | Industrial Management | 36061 – Textile Management (M Scheme) |
| 5. | D | Garment Technology II | 36662 – Apparel Quality Control (M Scheme) |
| 6. | D | Wet Processing of Knitted Goods | 36052 – Textile Wet Processing (M Scheme) |
| 7. | G | Basic Engineering for Textiles | 36041 – Basic Engineering of IV Text. Tech (M Scheme) |

TEXTILE TECHNOLOGY (KNITTING) -1068

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | J | Advanced Warp Knitting (6772) | Warp Knitting and Hosiery Manufacture (36753) (M Scheme) |
| 2. | J | Garment Production Machinery and Equipment (6782) | Clothing Machinery and Equipments (36643) (M Scheme) |
| 3. | K | Modern Developments in Knitting (16772) | Advanced Weft Knitting (36744) (M Scheme) |
| 4. | K | Productivity and Quality Control in Apparel Manufacture (16781) | Apparel Quality Control (36662) (M Scheme) |
| 5. | K | Computer Applications in Apparel Manufacture (16782) | Apparel Production Planning and Control (36641) (M Scheme) |

APPAREL TECHNOLOGY -1069

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|-----------------------------|---|
| 1. | J | Knitwear Technology (6982) | 36782 - Knitted Garment Construction of VI TT (Knitting) (M Scheme) |
| 2. | K | Industrial Clothing (16982) | 36982 – Industrial Clothing (M Scheme) |

FASHION TECHNOLOGY -1223

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | K | Basics of Textiles (17831) | Fibre Science and Yarn Manufacture (36631) |
| 2. | K | History of Costumes (17832) | Indian and Western Costumes(36672) (M Scheme) |
| 3. | K | Fashion Art And Design (17842) | Art of Sketching and Drawing (37832) |
| 4. | K | Fashion Garment Development (17862) | Fashion Designing of III Garment (36632) |
| 5. | J | Basics Of Garment Manufacture (7833) | Apparel Designing (36633) |
| 6. | J | Garment Manufacture - III (Ladies Wear) (7862) | Pattern Drafting and Construction – II (36653) (M Scheme) |
| 7. | J | Apparel Production Planning And Control (7871) | Apparel Production Planning and Control (36641) IV Garment (M Scheme) |
| 8. | J | Fashion Business (7882) | Apparel Merchandising (36671) (M Scheme) |
| 9. | J | Knitwear Technology (7883) | Knitted Garment Construction of VI TT (Knitting) (36782) (M Scheme) |
| 10. | J | Fashion Photography (7884) | No Alternate Paper |

TEXTILE TECHNOLOGY (DESIGN & WEAVING) – 1224

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | J | Textile Machinery Control Systems \$ (6083) | 36081 – Maintenance Of Textile Machineries of VI Textile Tech. (M Scheme) |
| 2. | K | Textile Marketing and Merchandising(16082) | 36671 – Apparel Merchandising of V Garment (M Scheme) |
| 3. | K | Process Control in Weaving (16371) | 36381 - Modern Weaving Technology (M Scheme) |

TEXTILE TECHNOLOGY (MAN MADE FIBRE) -1225

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | J | Eco-Friendly Textiles & Garment Processing (6283) | 36052 - Textile Wet Processing of V Textile Tech. (M Scheme) |

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

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | J | Hand Embroidery Techniques (6542) | No Alternate Paper |
| 2. | J | Garment Accessories and Ornamentation (6571) | 36632 – Fashion Designing of III Garment |
| 3. | J | Machine Embroidery (6583) | No Alternate Paper |
| 4. | K | Fundamentals of Garment Manufacture (16532) | 36633 - Apparel Designing |
| 5. | K | Basics Of Textiles * (17831) | 36631 - Fibre Science and Yarn Manufacture |
| 6. | K | Applied Handicrafts (16571) | No Alternate Paper |
| 7. | K | Fashion Business and Forecasting (16581) | 36671 - Apparel Merchandising (M Scheme) |

SHUTTLELESS WEAVING – 1227

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | K | Textile Testing # (16051) | Textile Testing of V Textile Tech (36051) (M Scheme) |
| 2. | K | Process Control in Weaving # (16371) | Modern Weaving Technology of VI TT (D&W) (36381) (M Scheme) |
| 3. | K | Technical Textiles # (16372) | Technical Textile (36072) of VText. Tech. (M Scheme) |
| 4. | K | Textile Management \$ (16061) | Textile Management (36061) of VIText. Tech. (M Scheme) |
| 5. | K | Textile Marketing and Merchandising \$ (16082) | Apparel Merchandising (36671) of VGarment (M Scheme) |

HOME TEXTILES -1228

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|-------------------------------|---|
| 1. | K | Textile Testing # (16051) | Textile Testing (36051) of V Textile Tech. (M Scheme) |
| 2. | K | Textile Management \$ (16061) | Textile Management (36061) of Text. Tech. (M Scheme) |

TEXTRONICS – 1229

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|----------------------------|---|
| 1. | K | Textile Management (16061) | Textile Management (36061) of VITextile Tech. (M Scheme) |

TEXTILE TECHNOLOGY (KNITTING & GARMENT) – 1230

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|-------------------------------------|---|
| 1. | K | Garment Production – I (16842) | Apparel Designing (36633) |
| 2. | K | Garment Production – II (16852) | Pattern Drafting And Construction – I of IV Garment (36644) (M Scheme) |
| 3. | K | Advanced Knitting Technology(16881) | Advanced Weft Knitting (36744) (M Scheme) |

PLASTIC ENGINEERING

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | J | Computer Programming And Applications (7051) | 40002 – Computer Applications Practical (N Scheme) |

POLYMER TECHNOLOGY - 2074

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | D | Industrial Management | 37561 – Plant Engineering Management (M Scheme) |
| 2. | G | Hydraulics Engineering | No Alternate Paper |
| 3. | G | Process Engineering and Economics | No Alternate Paper |
| 4. | J | Computer Programming and Applications (7051) | 40002 – Computer Applications Practical (N Scheme) |
| 5. | K | Rubber Materials(17551) | 37542 - Polymeric Materials (M Scheme) |
| 6. | K | Footwear Technology(17581) | 37552 - Rubber Processing and Product Manufacture (M Scheme) |
| 7. | K | Paints and Surface Coatings(17582) | No Alternate Paper |

LEATHER TECHNOLOGY (SW) – 2101

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | G | Introduction to Leather Manufacture | 39032 – Basics of Leather Manufacture |
| 2. | G | General Engineering | No Alternate Paper |
| 3. | G | Fabrication Theory(Leather Goods And Garment) | 39064 - Leather Product Fabrication (M Scheme) |
| 4. | H | Dairy Writing | No Alternate Paper |
| 5. | J | Principles of Management And Organization (9034) | 39071 – Industrial Management and Entrepreneurship (M |

| | | | |
|----|---|---|--|
| | | | Scheme) (M Scheme) |
| 6. | K | Computer Applications In Leather Industry (19034) | No Alternate Paper |
| 7. | K | Leather Bio-Technology (19035) | 39031 – Applied Leather Chemistry (M Scheme) |
| 8. | K | Newer Concepts In Leather Processing (19036) | No Alternate Paper |

LEATHER TECHNOLOGY [FOOTWEAR] (SW) – 2106

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | J | Costing & Quality Control | No Alternate Paper |
| 2. | J | Industrial Organisation and Management | 39071 – Industrial Management and Entrepreneurship of VII Leather (M Scheme) |
| 3. | J | Safety in Footwear Industry (9331) | 39044 – Safety in Leather Industry of IV Leather (M Scheme) |
| 4. | J | Modern Footwear Styling (9332) | No Alternate Paper |
| 5. | J | Computer Applications in Footwear Technology (9371) | 19034 – Computer Applications in Leather Industry (K Scheme) |

FOOTWEAR TECHNOLOGY (SANDWICH) -2105

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | D | Technical Report | No Alternate Paper |
| 2. | D | Final Assessment | No Alternate Paper |
| 3. | G | Introduction To Footwear Manufacture | No Alternate Paper |
| 4. | G | Drawing | No Alternate Paper |
| 5. | H | General Engineering | No Alternate Paper |
| 6. | H | Mechanics Of Machines | No Alternate Paper |
| 7. | H | Electrical And Electronics Engineering | 32044 – Electrical Drives and Control of IV MECH (M Scheme) |
| 8. | H | Accounting And Costing | No Alternate Paper |

ELECTRICAL ENGINEERING (INSTRUMENTS & CONTROL)

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | G | Digital Electronics and Microprocessor | 34043 – Digital Electronics (M Scheme) |

| | | | |
|----|---|---|---|
| 2. | G | Control and Maintenance of Electrical Machine | 33071 – Control of Electrical Machines (M Scheme) |
| 3. | G | Fibre Optics Instrumentation [Et-II] | 4042320 -Basics of Instrumentation (N Scheme) |

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

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | D | Microprocessor Based System Design | 34052 – Microcontroller Of V ECE (M Scheme) |
| 2. | D | Organisational Study And Entrepreneurship | No Alternate Paper |
| 3. | G | Microprocessors | 34052 – Microcontroller Of V ECE (M Scheme) |
| 4. | G | Visual Basic Programming | No Alternate Paper |
| 5. | G | Power Builder | No Alternate Paper |
| 6. | G | Desk Top Publishing | No Alternate Paper |
| 7. | G | Cobol Programming | No Alternate Paper |

COMPUTER NETWORKING-1053

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---------------------------------|---|
| 1. | K | Embedded Systems -15072 | No Alternate Paper |
| 2. | K | TCP / IP Networking -15352 | 35262 – Mobile Computing (M Scheme) |
| 3. | K | Network Operating Systems-15361 | 25265 – System Administration Practical (L Scheme) |
| 4. | K | Wireless Networks -15382 | 35356 – Wireless Networks Practical (M Scheme) |

MECHATRONICS / ELECTRONICS (ROBOTICS)

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---------------------------------------|--|
| 1. | G | Computer Integrated Manufacture | 32062 – Computer Aided Design and Manufacturing of VI Mechanical Engg (M Scheme) |
| 2. | J | Electrical Drives and Controls (4742) | 32044 – Electrical Drives & Control |

| | | | |
|----|---|---------------------------------------|--|
| | | | of IV Mechanical Engg (M Scheme) |
| 3. | J | Theory of Mechatronics (4761) | No Alternate Paper |
| 4. | J | Advanced Manufacturing Systems (4763) | 32062 – Computer Aided Design and Manufacturing of VI Mechanical Engg (M Scheme) |

ELECTRONICS AND INSTRUMENTATION ENGINEERING

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|-------------------------------------|---|
| 1. | D | Mathematics | 40012 - Engineering Mathematics – I of I Year Engg. (N Scheme) |
| 2. | G | Fibre Optics Instrumentation | 4042320 -Basics of Instrumentation of III Instrumentation and Control Engg. (N Scheme) |
| 3. | G | Microprocessor and Its Applications | 34043 - Digital Electronics of IV ECE (M Scheme) |

INSTRUMENTATION AND CONTROL ENGINEERING

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | D | Mathematics | 40012 - Engineering Mathematics – I of I Year Engg. (N Scheme) |
| 2. | D | Instrumentation Drawing | No Alternate Paper |
| 3. | G | Digital Electronics and Microprocessor | 34043 - Digital Electronics of IV ECE (M Scheme) |
| 4. | G | Fibre Optics Instrumentation [ET-I] | 4042320 -Basics of Instrumentation of III Instrumentation and Control Engg. (N Scheme) |
| 5. | G | Industrial Safety Instrumentation | 34244 – Industrial Instrumentation (M Scheme) |
| 6. | J | C++ Programming | 4052330- CProgramming and Data Structure (N Scheme) of Computer Engg. |
| 7. | J | Servicing of Equipments | No Alternate Paper |
| 8. | J | Industrial Safety | 34244 – Industrial Instrumentation (M Scheme) |
| 9. | J | Computer Based Process Control | 34262 – Industrial Automation and Drives |
| 10. | K | Computer Networks | 35242 – Computer Networks and Security of IV Computer Engg. (M Scheme) |

ELECTRONICS ENGINEERING (INSTRUMENTATION)

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---------------------------------------|---|
| 1. | D | Mathematics | 40012 - Engineering Mathematics – I of I Year Engg. (N Scheme) |
| 2. | G | Micro Electronics | 34043 - Digital Electronics of IV ECE (M Scheme) |
| 3. | G | Microprocessor and Its Applications | 34043 - Digital Electronics of IV ECE (M Scheme) |
| 4. | G | Fibre Optics Instrumentation [Et-II] | 4042320 -Basics of Instrumentation of III Instrumentation and Control Engg.(N Scheme) |
| 5. | G | Environmental Instrumentation [Et-II] | No Alternate Paper |

INSTRUMENTATION TECHNOLOGY

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1. | D | Mathematics | 40012 - Engineering Mathematics – I of I Year Engg. (N Scheme) |
| 2. | D | Material Science and Fluid Mechanics | 32682 – Materials Technology of VI Metallurgy (M Scheme) |
| 3. | D | Instrumentation Drawing | No Alternate Paper |
| 4. | G | Digital Electronics and Microprocessor | 34043 – Digital Electronics of IV ECE (M Scheme) |
| 5. | G | Robotics | 32082 – Robotics of VI MECH (M Scheme) |
| 6. | G | Fibre Optic Instrumentation | 4042320 -Basics of Instrumentation of III Instrumentation and Control Engg.(N Scheme) |
| 7. | G | Alternate Energy Sources | 32073 – Renewable Energy Sources and Energy Conservation Of V MECH(M Scheme) |

ELECTRONICS (WSI)

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | D | Mathematics | 40012 - Engineering Mathematics – I of I Year Engg. (N Scheme) |
| 2. | D | Organisational Study and Entrepreneurship | No Alternate Paper |
| 3. | D | Electronic Instruments Servicing | No Alternate Paper |
| 4. | D | PCB Design & Technology | 4071 – Surface Mount Technology of V ECE (J Scheme) |
| 5. | D | Fabrication of Electronic Equipment | 34073 – Electronic System Design of VIECE (M Scheme) |
| 6. | G | Micro Electronics | 34043 – Digital Electronics Of IV ECE (M Scheme) |
| 7. | G | Fibre Optics Instrumentation | 4042320 -Basics of Instrumentation of III |

| | | | |
|----|---|---------------------------------|--|
| | | [Et-I] | Instrumentation and Control Engg. (N Scheme) |
| 8. | G | Microprocessor and Applications | 34043 - Digital Electronics Of IV ECE (M Scheme) |
| 9. | G | Environmental Instrumentation | No Alternate Paper |

CIVIL ENGINEERING (ARCHITECTURE) - 1011

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|------------------------------------|--|
| 1. | G | Perspective Drawing and Sciography | 31246 - Architectural Drawing – II Practical (M Scheme) |
| 2. | G | Rural Engineering | 31052 – Environmental Engineering and Pollution Control of V Civil Engineering (M Scheme) |

ARCHITECTURAL ASSISTANTSHIP (FT & SW) -1012 / 2102

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|----------------------------------|---|
| 1. | D | Structural Detailing And Drawing | 31264 – Structural Detailing and Drawing Practical (M Scheme) |
| 2. | D | Architectural Rendering | No alternate Paper |

PRINTING TECHNOLOGY -1202

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|-------------------------------|---|
| 1. | G | Science For Printers | 40013 – Engineering Physics - I of I Year Engineering (N Scheme) |
| 2. | G | Basic Engineering | 37033 – Electrical and Electronics Engineering of III Chemical (M Scheme) |
| 3. | J | Film Assembly And Platemaking | 4082330 – Digital Prepress (N Scheme) |
| 4. | J | Colour Separation | 38251 – Digital Prepress (M Scheme) |
| 5. | J | Designing Softwares | 38255 – Digital Prepress Practical (M Scheme) |
| 6. | K | Advertising In Print Media | No Alternate Paper |

COMMERCIAL PRACTICE -1080

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|--|---|
| 1 | D | Type Writing Senior Paper I (English) | 38154 – Type Writing – English – GTE Senior – Paper I (M Scheme) |
| 2 | D | Type Writing Senior Paper II (English) | 38165 – Type Writing – English – GTE Senior – Paper II (M Scheme) |
| 3 | G | Computers In Business Applications | 48117 – Office Automation Lab –I (N Scheme) |
| 4 | G | Indian Economy | No Alternate Paper |
| 5 | G | Business Statistics | 4080330– BUSINESS STATISTICS (N Scheme) |
| 6 | G | Auditing | 38192 – Auditing |
| 7 | G | Cost Accountancy | 38143 – Cost Accounting |

MODERN OFFICE PRACTICE -1081

| Sl.No. | Scheme | Name of the Subject | Relevant papers in which the candidate has to write in October 2021 Board Examinations. |
|--------|--------|---|---|
| 1. | J | Marketing & Sales Organisation – I | No Alternate Paper |
| 2. | J | Elements Of Tamil Sh Junior (70 WPM) | No Alternate Paper |
| 3. | J | Marketing & Sales Organisation-II | No Alternate Paper |
| 4. | J | Sh Tamil Senior - I Paper | No Alternate Paper |
| 5. | J | Sh Tamil Senior - II Paper Dict, Cond, Elabor | No Alternate Paper |
| 6. | J | Computers In Business Applications Theory I | No Alternate Paper |
| 7. | J | Business Management | No Alternate Paper |
| 8. | J | Sh English Inter - I Paper | No Alternate Paper |
| 9. | J | Sh English Inter - II Paper Dictation (100 WPM) | No Alternate Paper |
| 10. | J | Sh English Inter - II Paper Elabor | No Alternate Paper |
| 11. | K | Business Organisation | No Alternate Paper |
| 12. | K | Visual Basic | 28145 – Visual Basic Lab (L Scheme) |
| 13. | K | Banking – II | No Alternate Paper |
| 14. | K | Business Law – II | No Alternate Paper |
| 15. | K | Elements of Shorthand - Tamil | No Alternate Paper |