# Study & Evaluation Scheme

## First Semester

| Sr. No. | Subject | L T P Hrs/Week | | | Evaluation Scheme | | | | | | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Internal Assessment | | External Assessment (Examination) | | | | |
| | | | | | Theory | Practical | Written Paper | Practical | | | |
| | | | | | Max. Marks | Max. Marks | Max. Marks | Hrs | Max. Marks | Hr | |
| 1.1* | Communication Skill – I | 3 | - | 2 | 25 | 25 | 100 | 3 | 50 | 2 | 200 |
| 1.2* | Applied Mathematics –I | 4 | 1 | - | 50 | - | 100 | 3 | - | - | 150 |
| 1.3* | Applied Physics-I | 4 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 1.4* | Applied Chemistry-I | 2 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 1.5* | Basic of Information Technology | - | - | 4 | - | 50 | - | - | 100 | 3 | 150 |
| 1.6* | Engineering Drawing-I | - | - | 6 | - | 50 | 100 | 3 | 25 (Viva) | 2 | 175 |
| 1.7* | General Workshop Practice-I | - | - | 6 | - | 50 | - | - | +100 | 3 | 150 |
| # Student Centred Activities | | - | - | 4 | - | 25 | - | - | - | - | 25 |
| Total | | 13 | 1 | 25 | 125 | 250 | 500 | | 375 | | 1250 |

* Common with other diploma programmes

+Including 25 marks for Viva-voce

#Student Centred Activities will comprise of various co-curricular activities like game, hobby club, seminars, declamation contest, extension lectures, field visits, NCC, NSS and cultural activities etc.

# Study & Evaluation Scheme

## Second Semester

| Sr. No. | Subject | L T P Hrs/Week | | | Evaluation Scheme | | | | | | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Internal Assessment | | External Assessment (Examination) | | | | |
| | | | | | Theory | Practical | Written Paper | Practical | | | |
| | | | | | Max. Marks | Max. Marks | Max. Marks | Hrs | Max. Marks | Hr | |
| 2.1* | Communication Skill – II | 3 | - | 2 | 25 | 25 | 100 | 3 | 50 | 2 | 200 |
| 2.2* | Applied Mathematics – II | 4 | 1 | - | 50 | - | 100 | 3 | - | - | 150 |
| 2.3* | Applied Physics-II | 3 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 2.4* | Applied Chemistry-II | 2 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 2.5* | Applied Mechanics | 3 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 2.6* | Engineering Drawing-II | - | - | 6 | - | 50 | 100 | 3 | 25 (Viva) | 2 | 175 |
| 2.7* | General Workshop Practice-II | - | - | 6 | - | 50 | - | - | +100 | 3 | 150 |
| # Student Centered Activities | | - | - | 4 | - | 25 | - | - | - | - | 25 |
| Total | | 15 | 1 | 24 | 150 | 225 | 600 | | 325 | | 1300 |

* Common with other diploma programmes

+Including 25 marks for Viva-voce

#Student Centred Activities will comprise of various co-curricular activities like game, hobby club, seminars, declamation contest, extension lectures, field visits, NCC, NSS and cultural activities etc.

# Study & Evaluation Scheme

## Third Semester

| Sr. No. | Subject | L T P Hrs/Week | | | Evaluation Scheme | | | | | | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Internal Assessment | | External Assessment (Examination) | | | | |
| | | | | | Theory | Practical | Written Paper | Practical | | | |
| | | | | | Max. Marks | Max. Marks | Max. Marks | Hrs | Max. Marks | Hr | |
| 3.1 | +Strength of Materials | 3 | 1 | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 3.2 | ++Thermodynamics | 3 | 1 | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 3.3 | **Basics of Electrical and Electronics Engg. | 3 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 3.4 | *Workshop Technology-I | 3 | - | - | 50 | - | 100 | 3 | - | - | 150 |
| 3.5 | *Machine Drawing | - | - | 6 | - | 50 | 100 | 3 | 25 (Viva) | 2 | 175 |
| 3.6 | *Workshop Practical –I | - | - | 9 | - | 50 | - | - | 100 | 3 | 150 |
| # Student Centered Activities | | - | - | 5 | - | 25 | - | - | - | - | 25 |
| Total | | 12 | 2 | 26 | 125 | 200 | 500 | - | 275 | - | 1100 |

+Common with Mechanical Engineering (Tool & Die)

+Common with Production Engineering

* Common with Production Engineering/Mechanical Engineering (Tool & Die)

**Common with Production Engineering/Mechanical Engineering (Tool & Die)/Ceramic Engineering

# Study & Evaluation Scheme

## Fourth Semester

| Sr. No. | Subject | L T P Hrs/Week | | | Evaluation Scheme | | | | | | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Internal Assessment | | External Assessment (Examination) | | | | |
| | | | | | Theory | Practical | Written Paper | Practical | | | |
| | | | | | Max. Marks | Max. Marks | Max. Marks | Hrs | Max. Marks | Hr | |
| 4.1 | *Materials & Metallurgy | 3 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 4.2 | Hydraulics & Hydraulic machines | 2 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 4.3 | Applied Thermodynamics | 3 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 4.4 | *Workshop Technology-II | 3 | - | - | 50 | - | 100 | 3 | - | 3 | 150 |
| 4.5 | ++Machine Design & Drawing | 3 | - | 3 | 25 | 25 | 100 | 3 | 25 (Viva) | 2 | 175 |
| 4.6 | *Workshop Practical –II | - | - | 9 | - | 50 | - | - | 100 | 3 | 150 |
| 4.7 | +Computer Applications in Mechanical Engg. | - | - | 4 | - | 50 | - | - | 50 | 3 | 100 |
| - | Industrial training for 4 weeks during summer vacations after IVth semester | To be evaluated in Vth semester | | | | | | | | | |
| # Student Centered Activities | | - | - | 4 | - | 25 | - | - | - | - | 25 |
| Total | | 14 | - | 26 | 150 | 225 | 500 | - | 325 | - | 1200 |

* Common with Production Engineering/Mechanical Engineering (Tool & Die)

**Common with Production Engineering/Mechanical Engineering/ Agriculture Technology

++Common with Production Engineering

# Study & Evaluation Scheme

## Fifth Semester

| Sr. No. | Subject | L T P Hrs/Week | | | Evaluation Scheme | | | | | | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Internal Assessment | | External Assessment (Examination) | | | | |
| | | | | | Theory | Practical | Written Paper | Practical | | | |
| | | | | | Max. Marks | Max. Marks | Max. Marks | Hrs | Max. Marks | Hr | |
| - | Industrial training for 4 weeks during summer vacations | - | - | - | - | 100 | - | - | 100 | 3 | 200 |
| 5.1 | Theory of Machines | 3 | 1 | - | 25 | - | 100 | 3 | - | - | 125 |
| 5.2 | Refrigeration and Air-conditioning | 3 | 1 | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 5.3 | **Industrial Engineering | 4 | - | - | 50 | - | 100 | 3 | - | - | 150 |
| 5.4 | *Workshop Technology-III | 3 | - | - | 50 | - | 100 | 3 | - | - | 150 |
| 5.5 | *CNC Machines & Automation | 3 | - | - | 25 | - | 100 | 3 | - | - | 125 |
| 5.6 | *Workshop Practice III | - | - | 9 | - | 50 | - | - | 100 | 3 | 150 |
| 5.7 | *CIM | 2 | - | 4 | - | 50 | - | - | 50 | 3 | 100 |
| # Student Centered Activities | | - | - | 5 | - | 25 | - | - | - | - | 25 |
| Total | | 18 | 2 | 20 | 175 | 250 | 500 | - | 300 | - | 1225 |

* Common with Production Engineering/Mechanical Engineering (Tool & Die)

**Common with Production Engineering/Mechanical Engineering (Tool & Die)/Automobile Engineering

# Study & Evaluation Scheme

## Sixth Semester

| Sr. No. | Subject | L T P Hrs/Week | | | Evaluation Scheme | | | | | | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Internal Assessment | | External Assessment (Examination) | | | | |
| | | | | | Theory | Practical | Written Paper | Practical | | | |
| | | | | | Max. Marks | Max. Marks | Max. Marks | Hrs | Max. Marks | Hr | |
| 6.1 | +Industrial management | 3 | - | - | 50 | - | 100 | 3 | - | - | 150 |
| 6.2 | *Inspection & Quality Control | 3 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 6.3 | Automobile Engineering | 3 | - | 2 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 6.4 | **Entrepreneurship Development and management | 3 | - | - | 50 | - | 100 | 3 | - | - | 150 |
| 6.5 | Installation Testing and Maintenance | 3 | - | 4 | 25 | 25 | 100 | 3 | 50 | 3 | 200 |
| 6.6 | Project Work | - | - | 12 | - | 100 | - | + | 200 | 3 | 300 |
| # Student Centered Activities | | - | - | 5 | - | 25 | - | - | - | - | 25 |
| Total | | 15 | - | 25 | 175 | 200 | 500 | - | 350 | - | 1225 |

*Common with Production Engineering

* Common with Production Engineering/Automobile Engineering/ Agricultural Technology/ Mechanical Engineering (Tool & Die)

**Common with Production Engineering/Automobile Engineering/ Agricultural Technology /Textile Processing