

SCHEME OF SCHEME OF TEACHING AND EXAMINATION 2010 - 2011
B.E INDUSTRIAL ENGINEERING AND MANAGEMENT
III SEMESTER

| Sl. No | Subject Code | Title of the Subject | Teaching Dept. | Teaching Hours / week | | | Examination | | |
|--------------|---------------------|---|----------------|-----------------------|-----------|----------|-------------|-----------------|------------|
| | | | | Theory | Pract | | Marks | | |
| | | | | | | | IA | Theory / Pract. | Total |
| 1 | 10MAT31 | Engineering Mathematics – III | Maths | 04 | --- | 03 | 25 | 100 | 125 |
| 2 | 10ME32A / 10ME 32B | Material Science & Metallurgy / Mechanical Measurements & Metrology | ME/IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 3 | 10ME33 | Basic Thermodynamics | ME/IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 4 | 10ME34 | Mechanics of Materials | ME/IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 5 | 10ME 35 | Manufacturing Processes-I | ME/IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 6 | 10ME 36A / 10ME36B | Computer Aided Machine Drawing / Fluid Mechanics | ME/IP/IM | 01 04 | 03 | 03 | 25 | 100 | 125 |
| 7 | 10MEL37A/ 10MEL 37B | Metallography & Material Testing Lab/ Mechanical Measurements & Metrology Lab | ME/IP/IM | --- | 03 | 03 | 25 | 50 | 75 |
| 8 | 10MEL38A/ 10MEL 38B | Foundry & Forging Laboratory/ Machine Shop | ME/IP/IM | --- | 03 | 03 | 25 | 50 | 75 |
| Total | | | | 21/24 | 09 | - | 200 | 700 | 900 |

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IV SEMESTER

| Sl. No | Subject Code | Title of the Subject | Teaching Dept. | Teaching Hours / week | | Duration (Hrs) | Examination | | |
|--------------|---------------------|---|----------------|-----------------------|-----------|----------------|-------------|----------------|------------|
| | | | | Theory | Pract | | Marks | | |
| | | | | | | | IA | Theory/ Pract. | Total |
| 1 | 10MAT41 | Engineering Mathematics – IV | Maths | 04 | --- | 03 | 25 | 100 | 125 |
| 2 | 10ME42A / 10ME 42B | Material Science & Metallurgy / Mechanical Measurements & Metrology | ME/IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 3 | 10ME43 | Applied Thermodynamics | ME/IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 4 | 10ME44 | Kinematics of Machines | ME/IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 5 | 10ME 45 | Manufacturing Processes-II | ME/IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 6 | 10ME 46A / 10ME46B | Computer Aided Machine Drawing / Fluid Mechanics | ME/IP/IM | 01 04 | --- | 03 | 25 | 100 | 125 |
| 7 | 10MEL47A/ 10MEL 47B | Metallography & Material Testing Lab/ Mechanical Measurements & Metrology Lab | ME/IP/IM | --- | 03 | 03 | 25 | 50 | 75 |
| 8 | 10MEL48A/ 10MEL 48B | Foundry & Forging Laboratory/ Machine Shop | ME/IP/IM | --- | 03 | 03 | 25 | 50 | 75 |
| Total | | | | 21/24 | 06 | - | 200 | 700 | 900 |

**SCHEME OF SCHEME OF TEACHING AND EXAMINATION 2010 - 2011
B.E INDUSTRIAL ENGINEERING AND MANAGEMENT
V SEMESTER**

| Sl. No | Subject Code | Title of the Subject | Teaching Dept. | Teaching Hours / week | | Duration (Hrs) | Examination | | |
|--------------|--------------|-------------------------------|----------------|-----------------------|-----------|----------------|-------------|----------------|------------|
| | | | | Theory | Pract | | Marks | | |
| | | | | | | | IA | Theory/ Pract. | Total |
| 1 | 10AL51 | Management & Entrepreneurship | IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 2 | 10IP /IM 52 | Engineering Economy | IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 3 | 10IP/ IM 53 | Work Study and Ergonomics | IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 4 | 10IP/IM 54 | CAD/CAM | IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 5 | 10IP/IM 55 | Design of Machine Elements | IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 6 | 10IM 56 | Statistics for Engineers | IM | 04 | --- | 03 | 25 | 100 | 125 |
| 7 | 10IML 57 | Mechanical lab | IM | --- | 03 | 03 | 25 | 50 | 75 |
| 8 | 10IPL/IML 58 | Work Study and Ergonomics Lab | IP/IM | --- | 03 | 03 | 25 | 50 | 75 |
| Total | | | | 24 | 06 | - | 200 | 700 | 900 |

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VI SEMESTER

| Sl. No | Subject Code | Title of the Subject | Teaching Dept. | Teaching Hours / week | | Duration (Hrs) | Examination | | |
|--------------|---------------|-----------------------------------|----------------|-----------------------|-----------|----------------|-------------|-----------------|------------|
| | | | | Theory | Pract | | Marks | | |
| | | | | | | | IA | Theory / Pract. | Total |
| 1 | 10IP /IM 61 | Materials Management | IP/IM | 04 | --- | 03 | 25 | 100 | 125 |
| 2 | 10IP/IM 62 | Quality Assurance and Reliability | IP / IM | 04 | --- | 03 | 25 | 100 | 125 |
| 3 | 10IP/IM 63 | Operations Research | IP /IM | 04 | --- | 03 | 25 | 100 | 125 |
| 4 | 10IM 64 | Simulation Modeling and Analysis | IM | 04 | --- | 03 | 25 | 100 | 125 |
| 5 | 10IM 65 | Software Engineering & Management | IM | 04 | --- | 03 | 25 | 100 | 125 |
| 6 | | Elective-I (Group A) | IM / IP | 04 | --- | 03 | 25 | 100 | 125 |
| 7 | 10IPL /IML 67 | CAD/CAM Lab | IP /IM | --- | 03 | 03 | 25 | 50 | 75 |
| 8 | 10IML 68 | Simulation Lab | IM | --- | 03 | 03 | 25 | 50 | 75 |
| Total | | | | 24 | 06 | - | 200 | 700 | 900 |

| Elective I (Group A) | | | | | |
|----------------------|---------------|-------------------------|---------|---------------|------------------------------|
| Sl. No. | Subject Code | Subject | Sl. No. | Subject Code | Subject |
| 1 | 10IP / IM 661 | Value Engineering | 4 | 10IP / IM 664 | Human Resource Management |
| 2 | 10IP / IM 662 | Theory of Metal Forming | 5 | 10 IM 665 | Advanced Machining Processes |
| 3 | 10IP / IM 663 | Finite Element Method | | | |

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B.E INDUSTRIAL ENGINEERING AND MANAGEMENT
VII SEMESTER**

| Sl. No | Subject Code | Title of the Subject | Teaching Dept. | Teaching | | Examination | | | |
|--------------|--------------|----------------------------------|----------------|-----------|-----------|----------------|------------|--------------|------------|
| | | | | Theory | Pract | Duration (Hrs) | Marks | | |
| | | | | | | | IA | Theory/Pract | Total |
| 1 | 10IP/IM 71 | Total Quality Management | IM / IP | 04 | --- | 03 | 25 | 100 | 125 |
| 2 | 10IP / IM 72 | Operations Management | IM / IP | 04 | --- | 03 | 25 | 100 | 125 |
| 3 | 10 IM 73 | Financial Accounting and Costing | IM | 04 | --- | 03 | 25 | 100 | 125 |
| 4 | 10IM 74 | Management Information Systems | IM | 04 | --- | 03 | 25 | 100 | 125 |
| 5 | | Elective-II (Group B) | IM / IP | 04 | --- | 03 | 25 | 100 | 125 |
| 6 | | Elective-III (Group C) | IM / IP | 04 | --- | 03 | 25 | 100 | 125 |
| 7 | 10IML 77 | Enterprise Resource Planning Lab | IM | --- | 03 | 03 | 25 | 50 | 75 |
| 8 | 10IML 78 | Quality Engineering Lab | IM | --- | 03 | 03 | 25 | 50 | 75 |
| Total | | | | 24 | 06 | -- | 200 | 700 | 900 |

| Elective II (Group B) | | | Elective III (Group C) | | |
|------------------------------|---------------------|---------------------------------------|-------------------------------|---------------------|----------------------------|
| Sl. No. | Subject Code | Subject | Sl. No. | Subject Code | Subject |
| 1 | 10IP / IM 751 | Enterprise Resource Planning | 1 | 10IP/IM 761 | Financial Management |
| 2 | 10IP/IM 752 | Concurrent Engineering | 2 | 10IP/IM 762 | Project Management |
| 3 | 10IP/IM 753 | Marketing Management | 3 | 10IP/IM 763 | Composite Materials |
| 4 | 10IP/IM 754 | Technology Management | 4 | 10IP/IM 764 | World Class Manufacturing |
| 5 | 10IM 755 | Design and Development of Enterprises | 5 | 10 IM 765 | Combinatorial Optimization |

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V III SEMESTER

| Sl. No | Subject Code | Title of the Subject | Teaching Dept. | Teaching Hours / week | | Examination | | | |
|--------------|--------------|--------------------------------|----------------|-----------------------|-----------|----------------|------------|----------------|------------|
| | | | | Theory | Pract | Duration (Hrs) | Marks | | |
| | | | | | | | IA | Theory/ Pract. | Total |
| 1 | 10IP/IM81 | Supply Chain Management | IM/IP | 04 | --- | 03 | 25 | 100 | 125 |
| 2 | 10IP/IM82 | Facilities Planning and Design | IM/IP | 04 | --- | 03 | 25 | 100 | 125 |
| 3 | | Group - IV Elective D | IM/IP | 04 | --- | 03 | 25 | 100 | 125 |
| 4 | | Group - V Elective E | IM/IP | 04 | --- | 03 | 25 | 100 | 125 |
| 5 | 10IM85 | Project work | IM | --- | -- | 03 | 100 | 100 | 200 |
| 6 | 10IM86 | Seminar | IM | --- | 03 | 03 | 50 | --- | 50 |
| Total | | | | 16 | 03 | -- | 250 | 500 | 750 |

| Elective IV (Group D) | | | Elective V (Group E) | | |
|-----------------------|--------------|------------------------------|----------------------|--------------|--|
| Sl. No. | Subject Code | Subject | Sl. No. | Subject Code | Subject |
| 1 | 10IP/IM 831 | Organizational Behaviour | 1 | 10IP/IM841 | Artificial Intelligence & Expert Systems |
| 2 | 10IP/IM 832 | Knowledge Management | 2 | 10IP/IM 842 | Just in Time Manufacturing |
| 3 | 10IP/IM 833 | Design Of Experiments | 3 | 10IP/IM843 | Automation In Manufacture |
| 4 | 10IP/IM 834 | Advanced Operations Research | 4 | 10IM844 | Decision Support Systems |
| 5 | 10IP/IM 835 | Data Base Management System | 5 | 10IM845 | Reliability Engineering |
| 6 | 10IM 836 | Strategic Management | 6 | 10IM 846 | Data Ware Housing and Mining |

