

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
Four Years B.E. Course

Scheme of Examination B.E. First year (All Branches of Engineering)

First Semester

| Sub Code | Subjects | Workload in hrs | | | Credits | Marks | | | | | Minimum Passing | |
|-------------------------------|--|-----------------|-----------|---|-------------|-------------|------------|------------|------------|------------|-----------------|-----------|
| | | L | T/A | P | | Theory | | Practical | | Total | Marks | |
| | | | | | | Internal | Uni | Internal | Uni | | Theory | Practical |
| BSE1-1T | Mathematics-I | 3 | 1 | - | 4 | 30 | 70 | - | - | 100 | 45 | - |
| BSE1-2T | Applied Physics | 3 | 2 | - | 4 | 30 | 70 | - | - | 100 | 45 | - |
| BSE1-3T | Energy and Environment | 2 | 2 | - | 3 | 30 | 70 | - | - | 100 | 45 | - |
| BSE1-4T | Communication Skills | 2 | - | - | 2 | 15 | 35 | - | - | 50 | 23 | - |
| BSE1-5T | Engineering Graphics | 1 | - | - | 1 | 15 | 35 | - | - | 50 | 23 | - |
| BSE1-6T | Basics of Civil & Mechanical Engineering | 4 | | | Audit | 50 | - | - | | Audit | - | - |
| BSE1-2P | Applied Physics Lab | - | - | 3 | 1.5 | | | 25 | 25 | 50 | - | 25 |
| BSE1-3P | Energy and Environment Lab | - | - | 2 | 1 | | | 25 | 25 | 50 | - | 25 |
| BSE1-4P | Communication Skills Lab | - | - | 2 | 1 | | | 25 | 25 | 50 | - | 25 |
| BSE1-5P | Engineering Graphics Lab | - | - | 4 | 2 | | | 25 | 25 | 50 | - | 25 |
| Three weeks Induction Program | | | | | | | | | | | | |
| | Total | 15 | 11 | | 19.5 | 120* | 280 | 100 | 100 | 600 | | |

- L- Lecture , P-Practical, T- Tutorial , A- Activity (Half Credit per Hour)

Scheme of Examination B.E. First year (All Branches of Engineering)

Second Semester

| Sub Code | Subjects | Workload in hrs | | | Credits | Marks | | | | | Minimum Passing Marks | |
|-------------------------------|----------------------------------|-----------------|----------|-----------|-------------|-------------|------------|------------|------------|------------|--------------------------|-----------|
| | | L | T/A | P | | Theory | | Practical | | Total | | |
| | | | | | | Internal | Uni | Internal | Uni | | Theory | Practical |
| BSE2-1T | Mathematics-II | 3 | 1 | - | 4 | 30 | 70 | - | - | 100 | 45 | - |
| BSE2-2T | Advanced Engineering Materials | 2 | 2 | - | 3 | 30 | 70 | - | - | 100 | 45 | - |
| BSE2-3T | Applied Chemistry | 3 | 2 | - | 4 | 30 | 70 | - | - | 100 | 45 | - |
| BSE2-4T | Computational Skills | 2 | - | - | 2 | 15 | 35 | - | - | 50 | 23 | - |
| BSE2-6T | Basics of Electrical Engineering | 2 | - | - | 2 | 15 | 35 | - | - | 50 | 23 | - |
| BSE2-7T | Engineering Mechanics | 2 | - | - | 2 | 15 | 35 | - | - | 50 | 23 | - |
| BSE2-8T | Indian Culture & Constitution | 2 | - | - | Audit | 50 | - | - | - | Audit | - | - |
| BSE1-5P | Workshop Practices | - | - | 4 | 2 | - | - | 50 | 50 | 100 | - | 50 |
| BSE2-2P | Advanced Engineering Materials | - | - | 2 | 1 | - | - | 25 | 25 | 50 | - | 25 |
| BSE2-3P | Applied Chemistry | | | 3 | 1.5 | - | - | 25 | 25 | 50 | - | 25 |
| BSE2-4P | Computational Skills | | | 2 | 1 | - | - | 25 | 25 | 50 | - | 25 |
| Three weeks Induction Program | | | | | | | | | | | | |
| | Total | 16 | 5 | 11 | 22.5 | 135* | 315 | 125 | 125 | 700 | | |

- L- Lecture , P-Practical, T- Tutorial, A- Activity (Half Credit per Hour)

* Audit course marks are not counted in total marks

Guidelines

- Energy and Environment shall be taught by faculty of Chemistry and will come under board of Applied Science and Humanities (only by Chemistry Dept)
- Advance Engineering Materials shall be taught by faculty of Physics and will come under board of Applied Science and Humanities (only by Physics Dept)