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| **National Institute of Technology Raipur** | | | | | | | | | | | | |
| **Course of Study and Scheme of Examination** | | | | | | | **B. Tech. 2nd Semester** | | | | **Branch: BME** | |
| **S. No.** | **Subject Code** | **Subject Name** | **Periods per Week** | | | **TA** | **Examination Scheme** | | | | **Total Marks** | **Credits** |
| **L** | **T** | **P** | **MSE/MTR** | | **ESE/ESVE** | |
| **Theory** | **Prac.** | **Theory** | **Prac.** |
| **1** | **MA10I001MA** | **Mathematics II** | **4** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **4** |
| **2** | **PH10I005PH** | **Physics I** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **3** | **CY10I007CY** | **Applied Chemistry** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **4** | **HS10I009HS** | **Communication Skills** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **5** | **EL10I022EL** | **Basic Electrical Engineering** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **6** | **HS10I401HS** | **Value Education** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **7** | **CY10I402CY** | **Applied Chemistry Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **8** | **HS10I403HS** | **Communication Skills Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **9** | **ME10I404ME** | **Workshop** | **0** | **0** | **4** | **40** | **-** | **20** | **-** | **40** | **100** | **2** |
| **10** | **PH10I405PH** | **Physics I Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **11** | **EL10I422EL** | **Basic Electrical Engineering Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **12** | **HS10I406HS** | **Yoga and Health** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
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| **National Institute of Technology Raipur** | | | | | | | | | | | | |
| **Course of Study and Scheme of Examination** | | | | | | | **B. Tech. 2nd Semester** | | | | **Branch: BT** | |
| **S. No.** | **Subject Code** | **Subject Name** | **Periods per Week** | | | **TA** | **Examination Scheme** | | | | **Total Marks** | **Credits** |
| **L** | **T** | **P** | **MSE/MTR** | | **ESE/ESVE** | |
| **Theory** | **Prac.** | **Theory** | **Prac.** |
| **1** | **MA10I001MA** | **Mathematics II** | **4** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **4** |
| **2** | **PH10I005PH** | **Physics I** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **3** | **CY10I007CY** | **Applied Chemistry** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **4** | **HS10I009HS** | **Communication Skills** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **5** | **EL10I022EL** | **Basic Electrical Engineering** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **6** | **HS10I401HS** | **Value Education** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **7** | **CY10I402CY** | **Applied Chemistry Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **8** | **HS10I403HS** | **Communication Skills Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **9** | **ME10I404ME** | **Workshop** | **0** | **0** | **4** | **40** | **-** | **20** | **-** | **40** | **100** | **2** |
| **10** | **PH10I405PH** | **Physics I Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **11** | **EL10I422EL** | **Basic Electrical Engineering Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **12** | **HS10I406HS** | **Yoga and Health** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
|  | | | | | | | | | | | | **24** |





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| **National Institute of Technology Raipur** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Course of Study and Scheme of Examination** | | | | | | | | | | | | | | **B. Tech. 2nd Semester** | | | | | | | | **Branch: CHE** | | | |
| **S. No.** | | **Subject Code** | | **Subject Name** | | **Periods per Week** | | | | | | **TA** | | **Examination Scheme** | | | | | | | | **Total Marks** | | **Credits** | |
| **L** | | **T** | | **P** | | **MSE/MTR** | | | | **ESE/ESVE** | | | |
| **Theory** | | **Prac.** | | **Theory** | | **Prac.** | |
| **1** | | **MA10I001MA** | | **Mathematics II** | | **4** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **4** | |
| **2** | | **PH10I005PH** | | **Physics I** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **3** | | **CY10I007CY** | | **Applied Chemistry** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **4** | | **HS10I009HS** | | **Communication Skills** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **5** | | **EL10I022EL** | | **Basic Electrical Engineering** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **6** | | **HS10I401HS** | | **Value Education** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **7** | | **CY10I402CY** | | **Applied Chemistry Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **8** | | **HS10I403HS** | | **Communication Skills Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **9** | | **ME10I404ME** | | **Workshop** | | **0** | | **0** | | **4** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **2** | |
| **10** | | **PH10I405PH** | | **Physics I Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **11** | | **EL10I422EL** | | **Basic Electrical Engineering Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **12** | | **HS10I406HS** | | **Yoga and Health** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
|  | | | | | | | | | | | | | | | | | | | | | | | | **24** | |
| **National Institute of Technology Raipur** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Course of Study and Scheme of Examination** | | | | | | | | | | | | | | **B. Tech. 2nd Semester** | | | | | | | | **Branch: CIV** | | | |
| **S. No.** | | **Subject Code** | | **Subject Name** | | **Periods per Week** | | | | | | **TA** | | **Examination Scheme** | | | | | | | | **Total Marks** | | **Credits** | |
| **L** | | **T** | | **P** | | **MSE/MTR** | | | | **ESE/ESVE** | | | |
| **Theory** | | **Prac.** | | **Theory** | | **Prac.** | |
| **1** | | **MA10I001MA** | | **Mathematics II** | | **4** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **4** | |
| **2** | | **PH10I005PH** | | **Physics I** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **3** | | **CY10I007CY** | | **Applied Chemistry** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **4** | | **HS10I009HS** | | **Communication Skills** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **5** | | **EL10I022EL** | | **Basic Electrical Engineering** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **6** | | **HS10I401HS** | | **Value Education** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **7** | | **CY10I402CY** | | **Applied Chemistry Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **8** | | **HS10I403HS** | | **Communication Skills Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **9** | | **ME10I404ME** | | **Workshop** | | **0** | | **0** | | **4** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **2** | |
| **10** | | **PH10I405PH** | | **Physics I Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **11** | | **EL10I422EL** | | **Basic Electrical Engineering Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **12** | | **HS10I406HS** | | **Yoga and Health** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
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| **National Institute of Technology Raipur** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Course of Study and Scheme of Examination** | | | | | | | | | | | | | | **B. Tech. 2nd Semester** | | | | | | | | **Branch: MIN** | | | |
| **S. No.** | | **Subject Code** | | **Subject Name** | | **Periods per Week** | | | | | | **TA** | | **Examination Scheme** | | | | | | | | **Total Marks** | | **Credits** | |
| **L** | | **T** | | **P** | | **MSE/MTR** | | | | **ESE/ESVE** | | | |
| **Theory** | | **Prac.** | | **Theory** | | **Prac.** | |
| **1** | | **MA10I001MA** | | **Mathematics II** | | **4** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **4** | |
| **2** | | **PH10I005PH** | | **Physics I** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **3** | | **CY10I007CY** | | **Applied Chemistry** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **4** | | **HS10I009HS** | | **Communication Skills** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **5** | | **ME10I027ME** | | **Basic Mechanical Engineering** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **6** | | **HS10I401HS** | | **Value Education** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **7** | | **CY10I402CY** | | **Applied Chemistry Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **8** | | **HS10I403HS** | | **Communication Skills Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **9** | | **ME10I404ME** | | **Workshop** | | **0** | | **0** | | **4** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **2** | |
| **10** | | **PH10I405PH** | | **Physics I Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **11** | | **ME10I427ME** | | **Basic Mechanical Engineering Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **12** | | **HS10I406HS** | | **Yoga and Health** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
|  | | | | | | | | | | | | | | | | | | | | | | | | **24** | |
| **National Institute of Technology Raipur** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Course of Study and Scheme of Examination** | | | | | | | | | | | | | | **B. Tech. 1st Semester** | | | | | | | | **Branch: CSE** | | | |
| **S. No.** | | **Subject Code** | | **Subject Name** | | **Periods per Week** | | | | | | **TA** | | **Examination Scheme** | | | | | | | | **Total Marks** | | **Credits** | |
| **L** | | **T** | | **P** | | **MSE/MTR** | | | | **ESE/ESVE** | | | |
| **Theory** | | **Prac.** | | **Theory** | | **Prac.** | |
| **1** | | **MA10I001MA** | | **Mathematics I** | | **4** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **4** | |
| **2** | | **PH10I005PH** | | **Physics I** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **3** | | **CY10I007CY** | | **Applied Chemistry** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **4** | | **HS10I009HS** | | **Communication Skills** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **5** | | **ME10I024ME** | | **Engineering Graphics** | | **3** | | **0** | | **0** | | **20** | | **30** | | **-** | | **50** | | **-** | | **100** | | **3** | |
| **6** | | **HS10I401HS** | | **Value Education** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **7** | | **CY10I402CY** | | **Applied Chemistry Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **8** | | **HS10I403HS** | | **Communication Skills Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **9** | | **ME10I404ME** | | **Workshop** | | **0** | | **0** | | **4** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **2** | |
| **10** | | **PH10I405PH** | | **Physics I Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **11** | | **ME10I424ME** | | **Engineering Graphics Lab** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
| **12** | | **HS10I406HS** | | **Yoga and Health** | | **0** | | **0** | | **2** | | **40** | | **-** | | **20** | | **-** | | **40** | | **100** | | **1** | |
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| **National Institute of Technology Raipur** | | | | | | | | | | | | |
| **Course of Study and Scheme of Examination** | | | | | | | **B. Tech. 1st Semester** | | | | **Branch: ELE** | |
| **S. No.** | **Subject Code** | **Subject Name** | **Periods per Week** | | | **TA** | **Examination Scheme** | | | | **Total Marks** | **Credits** |
| **L** | **T** | **P** | **MSE/MTR** | | **ESE/ESVE** | |
| **Theory** | **Prac.** | **Theory** | **Prac.** |
| **1** | **MA10I001MA** | **Mathematics I** | **4** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **4** |
| **2** | **PH10I005PH** | **Physics I** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **3** | **CY10I007CY** | **Applied Chemistry** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **4** | **HS10I009HS** | **Communication Skills** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **5** | **EL10I022EL** | **Basic Electrical Engineering** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **6** | **HS10I401HS** | **Value Education** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **7** | **CY10I402CY** | **Applied Chemistry Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **8** | **HS10I403HS** | **Communication Skills Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **9** | **ME10I404ME** | **Workshop** | **0** | **0** | **4** | **40** | **-** | **20** | **-** | **40** | **100** | **2** |
| **10** | **PH10I405PH** | **Physics I Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **11** | **EL10I422EL** | **Basic Electrical Engineering Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **12** | **HS10I406HS** | **Yoga and Health** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
|  | | | | | | | | | | | | **24** |



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| **National Institute of Technology Raipur** | | | | | | | | | | | | |
| **Course of Study and Scheme of Examination** | | | | | | | **B. Tech. 1st Semester** | | | | **Branch: ECE** | |
| **S. No.** | **Subject Code** | **Subject Name** | **Periods per Week** | | | **TA** | **Examination Scheme** | | | | **Total Marks** | **Credits** |
| **L** | **T** | **P** | **MSE/MTR** | | **ESE/ESVE** | |
| **Theory** | **Prac.** | **Theory** | **Prac.** |
| **1** | **MA10I001MA** | **Mathematics I** | **4** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **4** |
| **2** | **PH10I005PH** | **Physics I** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **3** | **CY10I007CY** | **Applied Chemistry** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **4** | **HS10I009HS** | **Communication Skills** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **5** | **EL10I022EL** | **Basic Electrical Engineering** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **6** | **HS10I401HS** | **Value Education** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **7** | **CY10I402CY** | **Applied Chemistry Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **8** | **HS10I403HS** | **Communication Skills Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **9** | **ME10I404ME** | **Workshop** | **0** | **0** | **4** | **40** | **-** | **20** | **-** | **40** | **100** | **2** |
| **10** | **PH10I405PH** | **Physics I Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **11** | **EL10I422EL** | **Basic Electrical Engineering Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **12** | **HS10I406HS** | **Yoga and Health** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
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| **National Institute of Technology Raipur** | | | | | | | | | | | | |
| **Course of Study and Scheme of Examination** | | | | | | | **B. Tech. 1st Semester** | | | | **Branch: IT** | |
| **S. No.** | **Subject Code** | **Subject Name** | **Periods per Week** | | | **TA** | **Examination Scheme** | | | | **Total Marks** | **Credits** |
| **L** | **T** | **P** | **MSE/MTR** | | **ESE/ESVE** | |
| **Theory** | **Prac.** | **Theory** | **Prac.** |
| **1** | **MA10I001MA** | **Mathematics I** | **4** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **4** |
| **2** | **PH10I005PH** | **Physics I** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **3** | **CY10I007CY** | **Applied Chemistry** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **4** | **HS10I009HS** | **Communication Skills** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **5** | **ME10I024ME** | **Engineering Graphics** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **6** | **HS10I401HS** | **Value Education** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **7** | **CY10I402CY** | **Applied Chemistry Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **8** | **HS10I403HS** | **Communication Skills Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **9** | **ME10I404ME** | **Workshop** | **0** | **0** | **4** | **40** | **-** | **20** | **-** | **40** | **100** | **2** |
| **10** | **PH10I405PH** | **Physics I Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **11** | **ME10I424ME** | **Engineering Graphics Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **12** | **HS10I406HS** | **Yoga and Health** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
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| **National Institute of Technology Raipur** | | | | | | | | | | | | |
| **Course of Study and Scheme of Examination** | | | | | | | **B. Tech. 1st Semester** | | | | **Branch: ME** | |
| **S. No.** | **Subject Code** | **Subject Name** | **Periods per Week** | | | **TA** | **Examination Scheme** | | | | **Total Marks** | **Credits** |
| **L** | **T** | **P** | **MSE/MTR** | | **ESE/ESVE** | |
| **Theory** | **Prac.** | **Theory** | **Prac.** |
| **1** | **MA10I001MA** | **Mathematics I** | **4** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **4** |
| **2** | **PH10I005PH** | **Physics I** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **3** | **CY10I007CY** | **Applied Chemistry** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **4** | **HS10I009HS** | **Communication Skills** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **5** | **EL10I022EL** | **Basic Electrical Engineering** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **6** | **HS10I401HS** | **Value Education** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **7** | **CY10I402CY** | **Applied Chemistry Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **8** | **HS10I403HS** | **Communication Skills Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **9** | **ME10I404ME** | **Workshop** | **0** | **0** | **4** | **40** | **-** | **20** | **-** | **40** | **100** | **2** |
| **10** | **PH10I405PH** | **Physics I Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **11** | **EL10I422EL** | **Basic Electrical Engineering Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **12** | **HS10I406HS** | **Yoga and Health** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
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| **National Institute of Technology Raipur** | | | | | | | | | | | | |
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| **S. No.** | **Subject Code** | **Subject Name** | **Periods per Week** | | | **TA** | **Examination Scheme** | | | | **Total Marks** | **Credits** |
| **L** | **T** | **P** | **MSE/MTR** | | **ESE/ESVE** | |
| **Theory** | **Prac.** | **Theory** | **Prac.** |
| **1** | **MA10I001MA** | **Mathematics I** | **4** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **4** |
| **2** | **PH10I005PH** | **Physics I** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **3** | **CY10I007CY** | **Applied Chemistry** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **4** | **HS10I009HS** | **Communication Skills** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **5** | **ME10I024ME** | **Engineering Graphics** | **3** | **0** | **0** | **20** | **30** | **-** | **50** | **-** | **100** | **3** |
| **6** | **HS10I401HS** | **Value Education** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **7** | **CY10I402CY** | **Applied Chemistry Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **8** | **HS10I403HS** | **Communication Skills Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **9** | **ME10I404ME** | **Workshop** | **0** | **0** | **4** | **40** | **-** | **20** | **-** | **40** | **100** | **2** |
| **10** | **PH10I405PH** | **Physics I Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **11** | **ME10I424ME** | **Engineering Graphics Lab** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
| **12** | **HS10I406HS** | **Yoga and Health** | **0** | **0** | **2** | **40** | **-** | **20** | **-** | **40** | **100** | **1** |
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