**B Tech I Semester ALL Branches**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No. | Course Code | Nature of Course (UC/  PC/  UE/PE) | Course Name | LTPC |
|  |  | UC | Math’s – I | 3104 |
|  |  | Professional Communication | 3003 |
|  |  | Engg. Physics(ME/EE/CE)/Computer Programming (CS/IT/EC/Bio) | 3003 |
|  |  | Fundamental of Computer & IT (CS/IT/EC/Bio) / Environmental Sc. (ME/EE/CE) | 2002 |
|  |  | Professional Communication Lab | 0021 |
|  |  | Engg. Physics Lab(ME/EE/CE)/Computer Programming Lab (CS/IT/EC/Bio) | 0021 |
|  |  | DECA | 0002 |
|  |  | PC | EEE/Engg. Mechanics (Except Biotech) | 3104 |
|  |  | EEE Lab/Workshop Practice(Except Biotech) | 0021 |
|  |  | Engg. Graphics (Except B.TechBioTech) | 0021 (22) |
|  |  | Engg. Chemistry (only for B.TechBioTech) | 3003 |
|  |  |  | Engg. Chemistry Lab (only for B.TechBioTech) | 0021 |
|  |  | UE | Engg. Chemistry (CS/IT/EC/EE/ME) | 3003 |
|  |  | Remedial Maths | 2002 |
|  |  | Remedial Physics | 2002 |
|  |  | Foreign Language (German/French. Etc.) | 3003 |
|  |  | History of Engineering & Science | 1001 |
|  |  | Engg. Chemistry Lab(CS/IT/EC/EE/ME) | 0021 |
|  |  | PE | Fundamental of Biotech | 3003 |
|  |  | MAT Lab | 0021 |
|  |  | Basic of MAT Lab | 0021 |
|  |  | Auto Cad–I Lab | 0021 |
|  |  | Elementary Maths | 3003 |
|  |  | Bio Instrumentation | 3003 |
|  |  |  | Bio Instrumentation Lab | 0021 |

**B Tech II Semester All Branches**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No. | Course Code | Nature of Course (UC/  PC/  UE/PE) | Course Name | LTPC |
|  |  | UC | Math’s – II | 3104 |
|  |  | Communication Techniques | 3003 |
|  |  | Computer Programming (ME/EE/CE)/Engg. Physics (CS/IT/EC/Bio) | 3003 |
|  |  | Environmental Sc. (ME/EE/CE)/ Fundamental of Computer & IT (CS/IT/EC/Bio) | 3003 |
|  |  |  |  |
|  |  | Computer Programming Lab(ME/EE/CE)/ Engg. Physics Lab (CS/IT/EC/Bio) | 0021 |
|  |  | Employability Skills–I | 0021 |
|  |  | DECA | 0002 |
|  |  | PC | Engg. Mechanics/EEE (Except Biotech) | 3104 |
|  |  | Workshop Practice/ EEE Lab (Except Biotech) | 0021 |
|  |  | Engg. Chemistry (only B.Tech Civil) | 3003 |
|  |  | Engg. Chemistry Lab (only B.Tech Civil) | 0021 (26) |
|  |  | UE | Engg. Chemistry (CS/IT/EC/EE/ME) | 3003 |
|  |  | Remedial Maths | 2002 |
|  |  | Remedial Physics | 2002 |
|  |  | Foreign Language (German/French. Etc.) | 3003 |
|  |  | History of Engineering & Science | 1001 |
|  |  | Engg. Chemistry Lab (CS/IT/EC/EE/ME) | 0021 |
|  |  | PE | Machine Drawing | 0021 |
|  |  | Applied Electrical & Electronics | 3003 |
|  |  | Material Science | 3003 |
|  |  | Numerical Methods Lab | 0021 |
|  |  | Principles of Management | 3003 |
|  |  | OOP’s Lab | 0021 |
|  |  | Python Lab | 0021 |
|  |  | Auto Cad –II Lab | 0021 |
|  |  | OOP’s Concepts | 3003 |
|  |  |  | Cytology(Only for Biotech) | 3003 |
|  |  |  | Cytology lab(Only for Biotech) | 0021 |

**Suresh GyanVihar University, Jaipur**

**Teaching and Examination Scheme**

**(For Students Admitted during academic Session 2015-16 onwards)**

**Department : Civil Engineering Year :2nd year**

**Programme :B.Tech Civil Engineering Semester :III**

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| --- | --- | --- | --- | --- |
| **S.NO.** | **Course Code** | **Nature of course(UC/PC/UE/PE)** | **Course Name** | **LTPC** |
|  | HUM205 | UC | Economic & Social Study | 3003 |
|  | DE201 | PCA | 0002 |
|  |  | ES-2 | 0201 |
|  |  |  |  |
|  |  |  |  |
|  | CE201 | PC | Strength Of Materials - I | 3104 |
|  | CE203 | Fluid Mechanics | 3104 |
|  | CE205 | Environmental Engineering I | 3003 |
|  | CE207 | Elementary Survey | 3003 |
|  |  |  |  |
|  | CE251 | Material testing lab. | 0021 |
|  | CE253 | Fluid Mechanics Lab. | 0021 |
|  | CE255 | Environmental Engineering Lab I | 0021 |
|  | CE257 | Survey Lab. I | 0021 |
|  |  |  | (24) |
|  |  | UE | Theory of relativity | 2002 |
|  |  | Transforms and its application | 2002 |
|  |  | Curve fitting techniques | 2002 |
|  |  |  |  |
|  |  | PE | Elementary of transportation | 3003 |
|  | CE211 | Design of Pre-stressed Concrete structures | 3003 |
|  | CE 213 | Construction Equipment & Material Management | 3003 |
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**Suresh GyanVihar University, Jaipur**

**Teaching and Examination Scheme**

**(For Students Admitted during academic Session 2015-16 onwards)**

**Department : Civil Engineering Year :2nd year**

**Programme :B.Tech Civil Engineering Semester :IV**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO.** | **Course Code** | **Nature of course(UC/PC/UE/PE)** | **Course Name** | **LTPC** |
|  | DE202 | UC | PCA | 0002 |
|  |  | ES-3 | 0201 |
|  | MA 208 | Math’s III | 3003 |
|  |  |  |  |
|  |  |  |  |
|  | CE 202 | PC | Strength of Material II | 3104 |
|  | CE 204 | Hydrology & Hydraulics | 3003 |
|  | CE 206 | Engineering Geology | 3003 |
|  |  | Building Material & Construction | 3003 |
|  |  |  |  |
|  | CE 252 |  |  |
|  | CE 254 | Hydraulics & Hydraulics Machines lab | 0021 |
|  | CE 256 | Building Planning & Design Practice I | 0021 |
|  | CE 260 | Engineering Geology Lab. | 0021 |
|  |  |  | (22) |
|  |  | UE | Fiber Optics & Optical Communication | 2002 |
|  |  | Calculus of Complex Variables | 2002 |
|  |  |  |  |
|  |  |  |  |
|  | CE 210 | PE | Advance Surveying | 3003 |
|  | CE 212 | Modern concrete technology and practice | 3003 |
|  | CE 214 | Solid Waste Management | 3003 |
|  | CE 208 | Road material testing lab | 0021 |

**Suresh GyanVihar University, Jaipur**

**Teaching and Examination Scheme**

**(For Students Admitted during academic Session 2015-16 onwards)**

**Department : Civil Engineering Year :3rd year**

**Programme :B.Tech Civil Engineering Semester :V**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO.** | **Course Code** | **Nature of course(UC/PC/UE/PE)** | **Course Name** | **LTPC** |
|  | DE301 | UC | PTC | 0002 |
|  |  | ES-4 | 0201 |
|  |  | Practical Training Seminar I | 0201 |
|  |  |  |  |
|  |  |  |  |
|  | CE 301 | PC | Theory of Structures – I | 3104 |
|  | CE 303 | Concrete Structures-I | 3003 |
|  | CE 305 | Steel Structures-I | 3003 |
|  | CE 309 | Quantity Surveying & Valuation | 3003 |
|  |  |  | (17) |
|  |  |  |  |
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|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  | UE | Management of Technology Resources | 2002 |
|  |  | Culture & Society | 2002 |
|  | CE 311 | PE | Modern concrete technology and practice | 3003 |
|  | CE 313 | Construction Equipment and Material Management | 3003 |
|  | CE 315 | Solid Waste Management | 3003 |
|  | CE307 | Survey II | 3003 |
|  | CE 355 | Surveying Lab. – II | 0021 |
|  | CE 351 |  | Steel Structures Design Practice I | 0021 |
|  | CE 353 |  | Structural Analysis Engineering Lab | 0021 |
|  | CE 359 |  | Concrete Structures Design Practice I | 0021 |

**Suresh GyanVihar University, Jaipur**

**Teaching and Examination Scheme**

**(For Students Admitted during academic Session 2015-16 onwards)**

**Department : Civil Engineering Year :3rd year**

**Programme :B.Tech Civil Engineering Semester :VI**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.NO. | Course Code | Nature of course(UC/PC/UE/PE) | Course Name | LTPC |
|  |  | UC |  |  |
|  | CE459 | Project Stage-I (mini project) | 0003 |
|  | DE302 | PCA | 0002 |
|  |  | ES-5 | 0201 |
|  |  |  |  |
|  | CE 302 | PC | Theory of Structures – II | 3104 |
|  | CE 308 | Environmental Engineering– I | 3003 |
|  | CE 310 | Transportation Engineering-I | 3003 |
|  | CE 358 | Environmental Engineering& Lab. I | 0021 |
|  | CE 360 | Transportation engineering Lab. | 0021 |
|  |  |  | (18) |
|  |  | UE | Logical & Critical Thinking | 2002 |
|  |  | Project Report Presentation of Design Practice lab | 2002 |
|  |  | Game Programming | 2002 |
|  |  |  | Technological Forecasting | 2002 |
|  | CE 312 | PE | Repair And Rehabilitation of Structures | 3003 |
|  | CE 314 | Remote Sensing and GIS | 3003 |
|  | CE 316 | Theory of Pre-stressed | 3003 |
|  | CE 352 | Matrix Method Of Structural analysis | 0021 |
|  | CE 304 |  | Concrete Structures-II | 3003 |
|  | CE 306 |  | Steel Structures-II | 3003 |
|  | CE 354 |  | Concrete Structures Design Practice II | 0021 |
|  | CE 356 |  | Steel Structures Design Practice II | 0021 |

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**Teaching and Examination Scheme**

**(For Students Admitted during academic Session 2015-16 onwards)**

**Department : Civil Engineering Year :4th year**

**Programme :B.Tech Civil Engineering Semester :VII**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.NO | Course Code | Nature of course(UC/PC/UE/PE) | Course Name | LTPC |
|  |  | UC |  |  |
|  |  | Project Stage-II (major project) | 0004 |
|  | DE401 | PCA | 0002 |
|  |  | ES-6 | 0201 |
|  | CE 457 | Industrial Project& Seminar –II | 0201 |
|  | CE 401 | PC | Geotechnical Engineering – I | 3003 |
|  | CE 403 | Water Resources Engineering –I | 3003 |
|  | CE 451 | Geotechnical Engg. Lab.-I | 0021 |
|  | CE513 | Construction Equipment | 3104 |
|  |  |  |  |
|  |  |  |  |
|  |  | UE | Workplace Culture & Communication | 2002 |
|  |  | Achieving Personal Excellence | 2002 |
|  |  |  |  |
|  | CE 411 | PE | Earthquake Resistant building Design | 3003 |
|  | CE 413 | Ground Improvement Techniques | 3003 |
|  | CE 415 | Rural Water Supply & Sanitation | 3003 |
|  | HS 401 | Technical Aptitude | 3003 |
|  | CE407 | Must | Building Design | 3003 |
| \*\* |  |  |  |  |
|  | CE409 |  | Transportation Engineering – II | 3104 |
|  | CE 455 |  | Environmental Engineering Lab. II | 0021 |
|  | CE 453 |  | Water Resources EngineeringDesign Practice-I | 0021 |

**Suresh GyanVihar University, Jaipur**

**Teaching and Examination Scheme**

**(For Students Admitted during academic Session 2015-16 onwards)**

**Department : Civil Engineering Year :4th year**

**Programme :B.Tech Civil Engineering Semester :VIII**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **Course Code** | **Nature of course(UC/PC/UE/PE)** | **Course Name** | **LTPC** |
|  | DE402 | UC | PCA | 0002 |
|  |  | Survey Camp | 0002 |
|  |  |  |  |
|  |  | PC |  |  |
|  | CE 405 | Environmental Engineering– II | 3003 |
|  | CE 406 | Project Planning & Construction management | 3003 |
|  | CE501 | Advanced construction Techniques | 3003 |
|  |  |  |  |
|  |  | UE | Cross Cultural Communication | 2002 |
|  |  | Business Risk and Uncertainties | 2002 |
|  |  |  |  |
|  |  |  |  |  |
|  | CE 408 | PE | Bridge Engineering | 3003 |
|  | CE 410 | Advance Foundation Engineering | 3003 |
|  | CE 412 | Advanced Transportation Engg. | 3003 |
|  | CE 456 | Professional Practice and Estimating | 0021 |
|  | CE 458 |  | Design of Foundations | 0021 |
|  | CE 460 |  | Computer Aided Building Design | 0021 |
|  | CE 402 |  | Geotechnical Engineering–II | 3003 |
|  | CE 404 |  | Water Resources Engineering-II | 3003 |
|  | CE 452 |  | Geotechnical Engg. Design Practice.-II | 0021 |
|  | CE 454 |  | Water Resources Engineering Design Practice-II | 0021 |
|  |  |  |  |  |

Red sign means, elective must be taken in that semester

**Suresh GyanVihar University, Jaipur**

**Teaching and Examination Scheme**

**(For Students Admitted during academic Session 2015-16 onwards)**

**Department : Civil Engineering Year :5th year**

**Programme :B.Tech Civil Engineering Semester :IX**

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| --- | --- | --- | --- | --- |
| **S.NO** | **Course Code** | **Nature of course(UC/PC/UE/PE)** | **Course Name** | **LTPC** |
|  | DE501 | UE | PCA | 0002 |
|  |  | ES-7 | 0201 |
|  | HS 501 | Soft Skills Traning | 2002 |
|  | CE555 |  | SEMINAR | 0905 |
|  |  | PC |  |  |
|  | CE 506 | Modern Construction Materials | 3104 |
|  | CE 505 | Construction Planning, Scheduling and Control | 3003 |
|  | CE6 507 | Computer Applications in Construction Engineering and Planning | 3003 |
|  | CE509 | Construction of pavement | 3104 |
|  | CE 511 | Shoring, Scaffolding and Formwork | 3003 |
|  |  |  |  |  |
|  |  | UE |  | (26) |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |  |
|  | CE 553 |  | Advanced Construction Engineering and Computing Techniques Laboratory | 0021 |
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**Suresh GyanVihar University, Jaipur**

**Teaching and Examination Scheme**

**(For Students Admitted during academic Session 2015-16 onwards)**

**Department : Civil Engineering Year :5th year**

**Programme :B.Tech Civil Engineering Semester :X**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **Course Code** | **Nature of course(UC/PC/UE/PE)** | **Course Name** | **LTPC** |
|  |  | UC |  |  |
|  |  |  |  |
|  |  |  |  |
|  | DI 602 | PC | DISSERTATION | 00016 |
|  | CE 506 | Statistical Methods and Queuing Theory | 3104 |
|  | CE 503 | Contract Laws and Regulations | 3003 |
|  | CE 502 | Project formulation & appraisal | 3104 |
|  |  |  | (27) |
|  |  |  |  |
|  |  | UE |  |  |
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