**Syllabus of BCA First Year First Semester for Academic Year 2015-16**

|  |  |
| --- | --- |
|  | Theory |
| Sl | CourseCode | Topic | Contacthrs/wk |  Credit |
|  | No |  | L | T | P | Total |  |
| 1 | BCA101 | Digital Electronics | 3 | 1 | 0 | 4 | 4 |
| 2 | BCA102 |  Business Systems and Applications | 3 | 1 | 0 | 4 | 4 |
| 3 | BCA103 | Introduction to Programming | 3 | 1 | 0 | 4 | 4 |
| 4 | BCA104 | Mathematics-I | 3 | 1 | 0 | 4 | 4 |
| 5 | BCA105 | PC Software | 3 | 1 | 0 | 4 | 4 |
|  |  | Totalof Theory |  |  |  | 20 | 20 |
|  | Practical |
| 6 | BCA191 | Programming Lab | - | - | 3 | 3 | 2 |
| 7 | BCA192 | Digital Electronics Lab | - | - | 3 | 3 | 2 |
|  |  | Totalof Practical  | l  |  |  |  | 4 |
|  |  Sessional 88 |
| 8. | BCA181 |  Seminar-I | 0 | 0 | 2 | 2 | 1 |
| 9. | BCA(GS)181 | General Studies - I | 3 | 1 | 0 | 4 | 4 |
|  | Total of Sessional |  |  |  |  | 5 |
| Total of Semester |  |  |  |  | 29 |

**Syllabus of BCA First Year Second Semester for Academic Year 2015-16**

|  |  |
| --- | --- |
|  | Theory |
| Sl | CourseCode | Topic | Contacthrs/wk |  Credit |
|  | No |  | L | T | P | Total |  |
| 1 | BCA201 | Computer ArchitectureandSystemsSoftware | 3 | 1 | - | 4 | 4 |
| 2 | BCA202 | InformationSystemsAnalysis&Design | 3 | 1 | - | 4 | 4 |
| 3 | BCA203 | Computer Programming | 3 | 1 | - | 4 | 4 |
| 4 | BCA204 | Mathematics | 3 | 1 | - | 4 | 4 |
| 5 | BCA205 | English Languageand Communication | 3 | 1 | - | 4 | 4 |
|  |  | Totalof Theory |  |  |  | 20 | 20 |
|  | Practical |
| 6 | BCA291 | Programming Lab  | - | - | 3 | 3 | 3 |
| 7 | BCA292 | Computer ArchitectureandSystemsSoftware Lab | - | - | 3 | 3 | 3 |
| 8 | BCA281 | Business Presentation and Language Lab | - | - | 2 | 2 | 2 |
| 9 | BCA(GS)281 | General Studies - II | 3 | 1 | 0 | 4 | 4 |
|  |  |  |  |  |  | 12 | 12 |
|  |  |  |  |  | 32 | 32 |

**Syllabus of BCA Second Year First Semester for Academic Year 2015-16**

|  |  |
| --- | --- |
|  | Theory |
| Sl | CourseCode | Topic | Contacthrs/wk |  Credit |
|  | No |  | L | T | P | Total |  |
| 1 | BCA301 | Operating Systems | 3 | 1 | - | 4 | 4 |
| 3 | BCA303 | Data Structures with C | 3 | 1 | - | 4 | 4 |
| 3 | BCA303 | Graphics & Internet | 3 | 1 | - | 4 | 4 |
| 4 | BCA304 | Mathematics for Computing | 3 | 1 | - | 4 | 4 |
| 5 | BCA305 | Management & Accounting | 3 | 1 | - | 4 | 4 |
|  |  | Totalof Theory |  |  |  | 20 | 20 |
|  | Practical/Sessional |
| 6 | BCA391 | Internet & Computer Graphics Lab | - | - | 3 | 3 | 3 |
| 7 | BCA393 | Programming Lab (Data Structure with C) | - | - | 3 | 3 | 3 |
| 9 | BCA(GS)381 | General Studies - III | 3 | 1 | 0 | 4 | 4 |
|  |  |  |  |  |  | 10 | 10 |
|  |  |  |  |  | 30 | 30 |



**Syllabus of BCA Third Year First Semester for Academic Year 3015-16**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Theory |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Sl | Course Code |  | Topic |  |  | Contact hrs/wk | Credit |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| No |  |  |  |  |  | L | T | P | Total |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1 |  | BCA501 |  | Data Communication & Computer Networks | 3 | 1 | - | 4 | 4 |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 3 |  | BCA503 |  | Unix and Shell Programming | 3 | 1 | - | 4 | 4 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  | BCA503 |  | Windows Programming | 3 | 1 | - | 4 | 4 |  |
|  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  | BCA 504 |  | Elective - I | 3 | 1 | - | 4 | 4 |  |
|  |  A/B/C |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 5 |  | BCA505 |  | Values and Ethics of Profession | 3 | 1 | - | 3 | 3 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Total of Theory |  |  |  |  | 19 | 19 |  |
|  |  | Practical/Sessional |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 6 |  | BCA591 |  | Unix & Networking |  | - | - | 4 | 4 | 3 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  | BCA592 |  | Minor Project |  | - | - | 9 | 9 | 6 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  | BCA 593 |  |  Industrial Training |  |  |  |  |  | 3 |  |
|  | 9 | BCA(GS) 581 |  | General Studies - V |  | 3 | 1 | 0 | 4 | 4 |  |
|  |  |  |  | Total of practical |  |  |  |  | 17 | 16 |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | Total |  |  |  |  | 36 | 35 |  |
|  |  |  |  |  |  |  |  |  |  |
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**Syllabus of BCA Third Year Second Semester for Academic Year 3015-16**

|  |  |
| --- | --- |
|  | Theory |
| Sl | CourseCode | Topic | Contacthrs/wk |  Credit |
|  | No |  | L | T | P | Total |  |
| 1 | BCA E601/A/B/C | Elective - II | 3 | 1 | - | 4 | 4 |
| 2 | BCA E602/A/B/C | Elective - III | 3 | 1 | - | 4 | 4 |
|  |  | Totalof Theory |  |  |  | 8 | 8 |
|  | Sessional |
| 6 | BCA693 | Major Project  | - | - | 21 | 21 | 16 |
| 7 | BCA694 | Seminar | - | - | - | 3 | 2 |
| 8 | BCA695 | Comprehensive Viva-Voce | - | - | - | - | 4 |
| 9 | BCA(GS)681 | General Studies - VI | 3 | 1 | 0 | 4 | 4 |
|  |  |  |  |  |  | 28 | 26 |
|  |  |  |  |  | 36 | 34 |