Department of Pharmaceutical Sciences and Technology

B. TECH. (PHARMA) Semester I (2015-2016)

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| YEAR | CODE NO. | SUBJECTS | Hours/week (L + T) | FACULTY |
| S.Y.B.Tech  Semester III | **THEORY** | | | |
| GET1104 | Engineering Mechanics and Strength of Materials | 2+1 | - |
| GET1105 | Electrical and Electronics Engineering\* | 2+1 | - |
| CHT1341 | Physical Chemistry | 3+1 | - |
| PHT1021 | Spl 1: -General Aspects of Pharmaceuticals and Physiopharmacology - I | 3+1 | S. Sathaye (3)+ Prof. P. D. Amin (1) |
| BST1101 | Spl 2: General Microbiology | 2+1 | Dr. Aruna Goenka-DBT |
| BST1103 | Spl 3: Biochemistry | 2 +1 | Mrs. Reena Padit- DBT |
| **PRACTICALS** | | | |
| GEP1106 | Electrical and Electronics Engineering Laboratory | 4 | - |
|  | CHP1342 | Physical Chemistry Laboratory | 4 | - |
|  | PHP1021 | Pr1: -Physiopharmacology Laboratory | 4 | Prof. A. R. Juvekar |
|  | **THEORY** | | | |
|  | GET 1104 | Chemical Engineering Operations | 2+1 | - |
|  | GET 1104 | Chemical Reaction Engineering | 2+1 | - |
|  | PHT1042 | Spl 8 -Pharmaceutical Chemistry | 2+1 | Prof. K. G. Akamanchi |
|  | PHT1061 | Spl 9: -Pharmaceutical Biotechnology | 2+1 | Dr. P. D. Jain |
| T.Y.B.Tech  Semester V | PHT1031 | Spl 10: -Pharmaceutical Analysis | 2+1 | Dr. G. U. Chaturbhuj |
| 6PHT1011 | Spl 11: -Technology of Liquids and Topicals | 2+1 | Prof. P. D. Amin |
| **PRACTICALS** | | | |
| PHP1011 | Pr 5: -Technology of Liquid and Topicals | 8 | Prof. P.R. Vavia(4) |
| PHP1031 | Pr 6: -Pharmaceutical Analysis | 4 | Dr. G. U. Chaturbhuj |
|  | PHP1061 | Pr 7: -Biotechnology Laboratory | 4 | Dr. P. Dandekar- Jain |
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| Final Yr. B.Tech  Semester VII | **THEORY** | | | | |
| 1 | Project Economics | | 2+1 | - |
| 2 | Industrial Psychology and Human Resource Management | | 2+1 | - |
| PHT1046 | Spl 16: -Process Technology Drug and Intermediats | | 2+1 | Dr. V. N. Telvekar |
| PHT1013 | Spl 17: -Validation and Regulatory Requirements | | 2+1 | Prof. V. B. Patravale |
| PHT1014 | Spl 18: -Technology of Sterile Products | | 2+1 | Prof. P. V. Devarajan |
| PHT1047 | Structural Analysis by Spectroscopy | | 2+1 | Dr. K. G. Akamanchi |
| **PRACTICALS** | | | | |
| PHP1046 | | Pr 10: -Process Technology Laboratory | 8 | Dr. V. N. Telvekar |
| PHP1014 | | Pr 11: -Sterile Products Laboratory | 4 | Prof. P. V. Devarajan |
| PHP 1071 | | Seminar | 4 | - |