### 2.4.3. Course of study

The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in Table–I to VIII. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than that shown in Table–I to VIII.

**Table-I: Course of study for semester I**

| Course | Name of the Course | No. of hours | Tutorial | Credit points |
|---|---|---|---|---|
| BP101T | Human Anatomy and Physiology I– Theory | 3 | 1 | 4 |
| BP102T | Pharmaceutical Analysis I – Theory | 3 | 1 | 4 |
| BP103T | Pharmaceutics I – Theory | 3 | 1 | 4 |
| BP104T | Pharmaceutical Inorganic Chemistry – Theory | 3 | 1 | 4 |
| BP105T | Communication skills – Theory * | 2 | - | 2 |
| BP106RBT | Remedial Biology – Theory * | 2 | - | 2 |
| BP106RMT | Remedial Mathematics – Theory* | | | |
| BP107P | Human Anatomy and Physiology – Practical | 4 | - | 2 |
| BP108P | Pharmaceutical Analysis I – Practical | 4 | - | 2 |
| BP109P | Pharmaceutics I – Practical | 4 | - | 2 |
| BP110P | Pharmaceutical Inorganic Chemistry – Practical | 4 | - | 2 |
| BP111P | Communication skills – Practical* | 2 | - | 1 |
| BP112RBP | Remedial Biology – Practical* | 2 | - | 1 |
| | **Total** | **32/34$/36#** | **4** | **27/29$/30#** |

#Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB)course**.**

$Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at

HSC and appearing for Remedial Mathematics (RM)course**.**

* Non University Examination (NUE)

**Table-II: Course of study for semester II**

| Course | Name of the Course | No. of hours | Tutorial | Credit points |
|---|---|---|---|---|
| BP201T | Human Anatomy and Physiology II – Theory | 3 | 1 | 4 |
| BP202T | Pharmaceutical Organic Chemistry I – Theory | 3 | 1 | 4 |
| BP203T | Biochemistry – Theory | 3 | 1 | 4 |
| BP204T | Pathophysiology – Theory | 3 | 1 | 4 |
| BP205T | Computer Applications in Pharmacy – Theory * | 3 | - | 3 |
| BP206T | Environmental sciences – Theory * | 3 | - | 3 |
| BP207P | Human Anatomy and Physiology II –Practical | 4 | - | 2 |
| BP208P | Pharmaceutical Organic Chemistry I– Practical | 4 | - | 2 |
| BP209P | Biochemistry – Practical | 4 | - | 2 |
| BP210P | Computer Applications in Pharmacy – Practical* | 2 | - | 1 |
| | **Total** | **32** | **4** | **29** |

*****Non University Examination (NUE)

**Table-III: Course of study for semester III**

| Course | Name of the Course | No. of hours | Tutorial | Credit points |
|---|---|---|---|---|
| BP301T | Pharmaceutical Organic Chemistry II – Theory | 3 | 1 | 4 |
| BP302T | Physical Pharmaceutics I – Theory | 3 | 1 | 4 |
| BP303T | Pharmaceutical Microbiology – Theory | 3 | 1 | 4 |
| BP304T | Pharmaceutical Engineering – Theory | 3 | 1 | 4 |
| BP305P | Pharmaceutical Organic Chemistry II – Practical | 4 | - | 2 |
| BP306P | Physical Pharmaceutics I – Practical | 4 | - | 2 |
| BP307P | Pharmaceutical Microbiology – Practical | 4 | - | 2 |
| BP 308P | Pharmaceutical Engineering –Practical | 4 | - | 2 |
| | **Total** | **28** | **4** | **24** |

**Table-IV: Course of study for semester IV**

| Course | Name of the Course | No. of hours | Tutorial | Credit points |
|---|---|---|---|---|
| BP401T | Pharmaceutical Organic Chemistry III– Theory | 3 | 1 | 4 |
| BP402T | Medicinal Chemistry I – Theory | 3 | 1 | 4 |
| BP403T | Physical Pharmaceutics II – Theory | 3 | 1 | 4 |
| BP404T | Pharmacology I – Theory | 3 | 1 | 4 |
| BP405T | Pharmacognosy and Phytochemistry I– Theory | 3 | 1 | 4 |
| BP406P | Medicinal Chemistry I – Practical | 4 | - | 2 |
| BP407P | Physical Pharmaceutics II – Practical | 4 | | 2 |
| BP408P | Pharmacology I – Practical | 4 | - | 2 |
| BP409P | Pharmacognosy and Phytochemistry I – Practical | 4 | - | 2 |
| | **Total** | **31** | **5** | **28** |

**Table-V: Course of study for semester V**

| Course | Name of the Course | No. of hours | Tutorial | Credit points |
|---|---|---|---|---|
| BP501T | Medicinal Chemistry II – Theory | 3 | 1 | 4 |
| BP502T | Formulative Pharmacy– Theory | 3 | 1 | 4 |
| BP503T | Pharmacology II – Theory | 3 | 1 | 4 |
| BP504T | Pharmacognosy and Phytochemistry II– Theory | 3 | 1 | 4 |
| BP505T | Pharmaceutical Jurisprudence – Theory | 3 | 1 | 4 |
| BP506P | Formulative Pharmacy – Practical | 4 | - | 2 |
| BP507P | Pharmacology II – Practical | 4 | - | 2 |
| BP508P | Pharmacognosy and Phytochemistry II – Practical | 4 | - | 2 |
| | **Total** | **27** | **5** | **26** |

**Table-VI: Course of study for semester VI**

| Course | Name of the Course | No. of hours | Tutorial | Credit points |
|---|---|---|---|---|
| BP601T | Medicinal Chemistry III – Theory | 3 | 1 | 4 |
| BP602T | Pharmacology III – Theory | 3 | 1 | 4 |
| BP603T | Herbal Drug Technology – Theory | 3 | 1 | 4 |
| BP604T | Biopharmaceutics and Pharmacokinetics – Theory | 3 | 1 | 4 |
| BP605T | Pharmaceutical Biotechnology – Theory | 3 | 1 | 4 |
| BP606T | Quality Assurance –Theory | 3 | 1 | 4 |
| BP607P | Medicinal chemistry III – Practical | 4 | - | 2 |
| BP608P | Pharmacology III – Practical | 4 | - | 2 |
| BP609P | Herbal Drug Technology – Practical | 4 | - | 2 |
| | **Total** | **30** | **6** | **30** |

**Table-VII: Course of study for semester VII**

| Course | Name of the Course | No. of hours | Tutorial | Credit points |
|---|---|---|---|---|
| BP701T | Instrumental Methods of Analysis – Theory | 3 | 1 | 4 |
| BP702T | Industrial Pharmacy – Theory | 3 | 1 | 4 |
| BP703T | Pharmacy Practice – Theory | 3 | 1 | 4 |
| BP704T | Novel Drug Delivery System – Theory | 3 | 1 | 4 |
| BP705P | Instrumental Methods of Analysis – Practical | 4 | - | 2 |
| BP706PS | Practice School* | 12 | - | 6 |
| | **Total** | **28** | **4** | **24** |

* Non University Examination (NUE)

**Table-VIII: Course of study for semester VIII**

| Course | Name of the Course | No. of hours | Tutorial | Credit points |
|---|---|---|---|---|
| BP801T | Biostatistics and Research Methodology | 3 | 1 | 4 |
| BP802T | Social and Preventive Pharmacy | 3 | 1 | 4 |
| BP803ET | Pharmaceutical Marketing | 3 +3 =6 | 1 +1 =2 | 4 + 4 = 8 |
| BP804ET | Pharmaceutical Regulatory Science | | | |
| BP805ET | Pharmacovigilance | | | |
| BP806ET | Quality Control and Standardization of Herbs | | | |
| BP807ET | Computer Aided Drug Designing | | | |
| BP808ET | Cell and Molecular Biology | | | |
| BP809ET | Cosmetic Science | | | |
| BP810ET | Experimental Pharmacology | | | |
| BP811ET | Advanced Instrumentation Techniques | | | |
| BP812PW | Project work | 12 | - | 6 |
| | **Total** | **24** | **4** | **22** |