

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

| Course code  | 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      | Pharma Marketing Management                    | 3 + 3 = 6    | 1 + 1 = 2 | 4 + 4 = 8     |
| BP804ET      | Pharmaceutical Regulatory Science              |              |           |               |
| BP805ET      | Pharmacovigilance                              |              |           |               |
| BP806ET      | Quality Control and Standardization of Herbals |              |           |               |
| BP807ET      | Computer Aided Drug Design                     |              |           |               |
| BP808ET      | Cell and Molecular Biology                     |              |           |               |
| BP809ET      | Cosmetic Science                               |              |           |               |
| BP810ET      | Experimental Pharmacology                      |              |           |               |
| BP811ET      | Advanced Instrumentation Techniques            |              |           |               |
| BP812ET      | Dietary Supplements and Nutraceuticals         |              |           |               |
| BP813PW      | Project Work                                   | 12           | -         | 6             |
| <b>Total</b> |                                                | <b>24</b>    | <b>4</b>  | <b>22</b>     |

**Table-IX: Semester wise credits distribution**

| Semester                                   | Credit Points                              |
|--------------------------------------------|--------------------------------------------|
| I                                          | 27/29 <sup>§</sup> /30 <sup>#</sup>        |
| II                                         | 29                                         |
| III                                        | 26                                         |
| IV                                         | 28                                         |
| V                                          | 26                                         |
| VI                                         | 26                                         |
| VII                                        | 24                                         |
| VIII                                       | 22                                         |
| Extracurricular/ Co curricular activities  | 01*                                        |
| <b>Total credit points for the program</b> | <b>209/211<sup>§</sup>/212<sup>#</sup></b> |

\* The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

<sup>§</sup>Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics course.

<sup>#</sup>Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.

**Table – 7: Course of study for M. Pharm. (Pharmaceutics)**

| <b>Course Code</b> | <b>Course</b>                                       | <b>Credit Hours</b> | <b>Credit Points</b> | <b>Hrs./wk</b> | <b>Marks</b> |
|--------------------|-----------------------------------------------------|---------------------|----------------------|----------------|--------------|
| <b>Semester I</b>  |                                                     |                     |                      |                |              |
| MPA101T            | Modern Pharmaceutical Analytical Techniques         | 4                   | 4                    | 4              | 100          |
| MPH101T            | Modified Release Drug Delivery System               | 4                   | 4                    | 4              | 100          |
| MPH102T            | Modern Pharmaceutics                                | 4                   | 4                    | 4              | 100          |
| MPH103T            | Pharmaceutical Regulatory Affair                    | 4                   | 4                    | 4              | 100          |
| MPH104P            | Pharmaceutics Practical I                           | 12                  | 6                    | 12             | 150          |
| -                  | Seminar/Assignment                                  | 7                   | 4                    | 7              | 100          |
| <b>Total</b>       |                                                     | <b>35</b>           | <b>26</b>            | <b>35</b>      | <b>650</b>   |
| <b>Semester II</b> |                                                     |                     |                      |                |              |
| MPH201T            | Molecular Pharmaceutics(Nano Tech and Targeted DDS) | 4                   | 4                    | 4              | 100          |
| MPH202T            | Advanced Biopharmaceutics & Pharmacokinetics        | 4                   | 4                    | 4              | 100          |
| MPH203T            | Computer Aided Drug Delivery System                 | 4                   | 4                    | 4              | 100          |
| MPH204T            | Cosmetic and Cosmeceuticals                         | 4                   | 4                    | 4              | 100          |
| MPH205P            | Pharmaceutics Practical I                           | 12                  | 6                    | 12             | 150          |
| -                  | Seminar/Assignment                                  | 7                   | 4                    | 7              | 100          |
| <b>Total</b>       |                                                     | <b>35</b>           | <b>26</b>            | <b>35</b>      | <b>650</b>   |

**Table – 8: Course of study for M. Pharm. (Pharmacognosy)**

| <b>Course Code</b> | <b>Course</b>                               | <b>Credit Hours</b> | <b>Credit Points</b> | <b>Hrs./wk</b> | <b>Marks</b> |
|--------------------|---------------------------------------------|---------------------|----------------------|----------------|--------------|
| <b>Semester I</b>  |                                             |                     |                      |                |              |
| MPA101T            | Modern Pharmaceutical Analytical Techniques | 4                   | 4                    | 4              | 100          |
| MPG101T            | Advanced Pharmacognosy-I                    | 4                   | 4                    | 4              | 100          |
| MPG102T            | Phytochemistry                              | 4                   | 4                    | 4              | 100          |
| MPG103T            | Industrial Herbal drug technology           | 4                   | 4                    | 4              | 100          |
| MPG104P            | Pharmacognosy Practical I                   | 12                  | 6                    | 12             | 150          |
| -                  | Seminar/Assignment                          | 7                   | 4                    | 7              | 100          |
| <b>Total</b>       |                                             | <b>35</b>           | <b>26</b>            | <b>35</b>      | <b>650</b>   |
| <b>Semester II</b> |                                             |                     |                      |                |              |
| MPG201T            | Medicinal Plant biotechnology               | 4                   | 4                    | 4              | 100          |
| MPG102T            | Advanced Pharmacognosy-II                   | 4                   | 4                    | 4              | 100          |
| MPG203T            | Indian system of medicine                   | 4                   | 4                    | 4              | 100          |
| MPG204T            | Herbal cosmetics                            | 4                   | 4                    | 4              | 100          |
| MPG205P            | Pharmacognosy Practical II                  | 12                  | 6                    | 12             | 150          |
| -                  | Seminar/Assignment                          | 7                   | 4                    | 7              | 100          |
| <b>Total</b>       |                                             | <b>35</b>           | <b>26</b>            | <b>35</b>      | <b>650</b>   |

**Table – 9: Course of study for (Pharmacology)**

| <b>Course Code</b> | <b>Course</b>                                          | <b>Credit Hours</b> | <b>Credit Points</b> | <b>Hrs./wk</b> | <b>Marks</b> |
|--------------------|--------------------------------------------------------|---------------------|----------------------|----------------|--------------|
| <b>Semester I</b>  |                                                        |                     |                      |                |              |
| MPA101T            | Modern Pharmaceutical Analytical Techniques            | 4                   | 4                    | 4              | 100          |
| MPL101T            | Advanced Pharmacology-I                                | 4                   | 4                    | 4              | 100          |
| MPL102T            | Pharmacological and Toxicological Screening Methods-I  | 4                   | 4                    | 4              | 100          |
| MPL103T            | Cellular and Molecular Pharmacology                    | 4                   | 4                    | 4              | 100          |
| MPL104P            | Pharmacology Practical I                               | 12                  | 6                    | 12             | 150          |
| -                  | Seminar/Assignment                                     | 7                   | 4                    | 7              | 100          |
| <b>Total</b>       |                                                        | <b>35</b>           | <b>26</b>            | <b>35</b>      | <b>650</b>   |
| <b>Semester II</b> |                                                        |                     |                      |                |              |
| MPL201T            | Advanced Pharmacology II                               | 4                   | 4                    | 4              | 100          |
| MPL102T            | Pharmacological and Toxicological Screening Methods-II | 4                   | 4                    | 4              | 100          |
| MPL203T            | Principles of Drug Discovery                           | 4                   | 4                    | 4              | 100          |
| MPL204T            | Experimental Pharmacology practical- II                | 4                   | 4                    | 4              | 100          |
| MPL205P            | Pharmacology Practical II                              | 12                  | 6                    | 12             | 150          |
| -                  | Seminar/Assignment                                     | 7                   | 4                    | 7              | 100          |
| <b>Total</b>       |                                                        | <b>35</b>           | <b>26</b>            | <b>35</b>      | <b>650</b>   |

**Table – 13: Course of study for M. Pharm. III Semester**  
(Common for All Specializations)

| <b>Course Code</b> | <b>Course</b>                                        | <b>Credit Hours</b> | <b>Credit Points</b> |
|--------------------|------------------------------------------------------|---------------------|----------------------|
| MRM101T            | Research Methodology and Biostatistics*              | 4                   | 4                    |
| -                  | Journal club                                         | 1                   | 1                    |
| -                  | Discussion / Presentation<br>(Proposal Presentation) | 2                   | 2                    |
| -                  | Research Work                                        | 28                  | 14                   |
| <b>Total</b>       |                                                      | <b>35</b>           | <b>21</b>            |

\* Non University Exam

**Table – 14: Course of study for M. Pharm. IV Semester**  
(Common for All Specializations)

| <b>Course Code</b> | <b>Course</b>                 | <b>Credit Hours</b> | <b>Credit Points</b> |
|--------------------|-------------------------------|---------------------|----------------------|
| -                  | Journal Club                  | 1                   | 1                    |
| -                  | Research Work                 | 31                  | 16                   |
| -                  | Discussion/Final Presentation | 3                   | 3                    |
| <b>Total</b>       |                               | <b>35</b>           | <b>20</b>            |

**Table – 15: Semester wise credits distribution**

| <b>Semester</b>                                                                                                | <b>Credit Points</b>       |
|----------------------------------------------------------------------------------------------------------------|----------------------------|
| I                                                                                                              | 26                         |
| II                                                                                                             | 26                         |
| III                                                                                                            | 21                         |
| IV                                                                                                             | 20                         |
| Co-curricular Activities<br>(Attending Conference, Scientific Presentations and<br>Other Scholarly Activities) | Minimum=02<br>Maximum=07*  |
| <b>Total Credit Points</b>                                                                                     | Minimum=95<br>Maximum=100* |

\*Credit Points for Co-curricular Activities