## Shri Vaishnav Institute of Science,Indore

### Choice Based Credit System (CBCS) Scheme (2017-20)

### B. Sc. (Mathematics Honours)

### VI - SEMESTER

| S. No. | Subject Code | Name of Subject | Teaching Scheme/week | | | Examination Scheme | | | | | Total Marks | CREDITS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Theory | | | Practical | | | |
| | | | L | T | P | End Sem University Exam | Two Term Exam | Teachers Assessment* | End Sem University Exam | Teachers Assessment* | | |
| 1 | BSMHMA 601 | Analysis IV (Theory of PDEs) | 4 | 1 | 0 | 60 | 20 | 20 | -- | -- | 100 | 5 |
| 2 | BSMHMA 602 | Numerical Analysis | 4 | 1 | 0 | 60 | 20 | 20 | -- | -- | 100 | 5 |
| 3 | BSMHMA 603 | Optimization Techniques | 4 | 1 | 0 | 60 | 20 | 20 | -- | -- | 100 | 5 |
| 4 | BSMHMA 604 | Classical Mechanics | 4 | 1 | 0 | 60 | 20 | 20 | -- | -- | 100 | 5 |
| 5 | BSMHMA 605(1)<br>BSMHMA 605(2) | Elective - II**:<br>(1) Theory of Computing<br>(2) Analysis | 4 | 0 | 0 | 60 | 20 | 20 | -- | -- | 100 | 4 |
| 6 | BSMHMA 606(1)<br>BSMHMA 606(2) | Elective - III**:<br>(1) Game Theory<br>(2) Statistics | 4 | 0 | 0 | 60 | 20 | 20 | -- | -- | 100 | 4 |
| TOTAL | | | 24 | 4 | 0 | 360 | 120 | 120 | 0 | 0 | 600 | 28 |

***Teacher Assessment shall be based on the following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.**

**Students are advised to take online UGC MOOCs cources of minimum 2 credits.**

**** Any one of (1) and (2)**

Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore

Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore