

# Academic program

## M.sc in Space Science and Technology

### Scheme of Instruction and Examination

#### SEMESTER -I

| S. No.            | Sub. Code  | Subject  |           | Duration of Exam | Max. Marks | Credits   |
|-------------------|------------|--|-----------|------------------|------------|-----------|
| 1                 | SSA 101    | Basic Physics  |           | 3                | 100        | 4         |
| 2                 | SSA 102    | Mathematical Methods of Physics  |           | 3                | 100        | 4         |
| 3                 | SSA 103    | Basic Astronomy  |           | 3                | 100        | 4         |
| 4                 | SSA 104    | Classical (Celestial) Mechanics  |           | 3                | 100        | 4         |
| <b>PRACTICALS</b> |            |  |           |                  |            |           |
| 5                 | SSA Pr 151 | Numerical Methods and Computer Applications using Python                     | 8+8       | 4                | 100        | 4         |
| 6                 | SSA Pr 152 | Data Handling using GNU plot and Astronomical Distance Estimation Techniques | 8+8       | 4                | 100        | 4         |
|                   |            | <b>Total:</b>  | <b>44</b> |                  | <b>600</b> | <b>24</b> |