

### 3. Astronomy

**B.A. Astronomy-Opt**

**Total Mark: 100**

#### **Appendix 'B'**

#### **(Syllabi and Courses of Reading)**

Principle of the telescope, types of astronomical telescopes, the spectrum, Spectroscope.

The earth: rotation and revolution: latitude, longitude 2nd time, the earth's atmosphere.

The Moon: motions, phases, surface features and physical conditions.

The Sun: Surface features, chromosphere, prominences and corona, eclipses of the sun and moon.

The solar system; distances, sites and motions of planets. Individual features of planets, the asteroids, comets and meteors.

General ideas about stars, nebulae, galactic systems and evolution of the Universe.

Identification of Constellations, prominent stars and Planets on the sky.

#### **Recommended Books:**

1. An easy outline of Astronomy by Davidson.
2. A brief text in Astronomy by Skilling and Richardson (Revised Edition).