**SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF ARTS**

**AND SCIENCE (AUTONOMOUS) COIMBATORE – 641 020.**

**For candidates admitted from academic year 2013-2014 onwards**

**Under New CBCS**

**Programme : B.Sc., Mathematics.**

**Course Title : Core 18: ASTRONOMY Subject Code : 6CT18**

**Year : Third Year Semester : VI**

**Hours/Week : 5 Credits : 4**

**Unit -I**

Celestial sphere – Diurnal motion.

 **Chapter II: Sections 39-84.**

**Unit -II**

The zones of earth - Dip of horizon – Twilight.

 **Chapter III: Sections 87, 89, 96-99, 106-108, 111, 112.**

**Unit -III**

 Refraction – Geocentric Parallax.

**Chapter VI: Sections 117-127, 129, 130, Chapter V: Sections 135-139.**

**Unit -IV**

 Kepler’s laws

 **Chapter VI: Sections 146-164.**

**Unit -V**

 The Moon and Eclipses.

 **Chapter XII: Sections 229-255, Chapter XIII: Sections 256-275.**

**Omit all exercise problems**

**TEXT BOOK**:

**Astronomy by S. Kumaravelu & N.Susheela Kumaravelu**, Publisher S.

Kumaravelu Nagerkoil, Edition 8, 1990.