



# THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

Re-accredited (2<sup>nd</sup> Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

## Backlog Arrear Examination, March 2021

**COURSE CODE: PHS 1272/1234**  
**COURSE TITLE: Wonders of Sky**

**Time: 2 hrs**  
**Max.Mark: 60**

**Answer any four the following questions:**

**4x15=60 marks**

1. Describe the development of nature philosophy in astronomy in detail.
2. Explain the Solar and Lunar eclipses in detail with suitable diagrams.
3. Describe various spectral classes of stars with examples.
4. Discuss the evolutionary stages in the birth of a star.
5. Explain the different types of galaxies with suitable diagram.
6. Discuss all the theories of universe in detail.