
From: THE REGISTRAR

To
The Principals,
A.U. Affiliated Colleges (UG).

Sir,

Sub: UG Courses, Andhra University – Introduction of Foundation Course - Deleted of Science & Civilization paper from the II year - Regarding.

Ref: Minutes of the meeting of the Standing Committee of the Academic Senate held on 15-06-2009 (Vide Item No. 8).

***

With reference to the above, I am to inform you, that the Standing Committee of the Academic Senate has approved the Foundation Course as introduced to the UG Courses in the place of Indian Heritage & Culture in I year and Foundation course in III year w.e.f. the admitted batch of 2008-09.

The paper Science & Civilization in II year of UG Courses has been deleted w.e.f. the admitted batch of 2008-09 and the same syllabus of the Science & Civilization paper has to be followed as Foundation Course in III year under part-I only for the admitted batch of 2008-09.

I request you, to kindly arrange to circulate the same among the teaching staff and students concerned.

Yours faithfully,

(M. SUDHAKARA RAO)
Assistant Registrar (Academic)
SCIENCE & CIVILIZATION

1. The Remote beginnings of Science:

2. Birth of Modern Science:
   Contributions of Copernicus, Galileo, Newton and kepler to Astronomy and Physics. The concept of Universal Gravity.

3. Significant Discoveries of the 20th Century:
   Significant discoveries of the 20th century in the fields of Physical, Biological and Medical Sciences and their impact on society. Advancement in space explorations.

4. Environmental Protection:
   Scientific concepts of (a) Physical and Chemical Environment (b) Ecological Environment and (c) Social and Cultural Environment. Physical and Chemical Environment: Polluting agents. Air, water and soil pollutions. The Bhopal tragedy.

   Ecological Environment; Communities and food pyramids –dinter-dependency land use patterns, Bio-diversity need for ecological balance; The Takridam controversies.


   While setting the question paper, one question from each of the first three topics and two from the fourth topic must be made compulsory.

Ref: History of growth of Physical Sciences by Sir James Jeans.