Dt: 06-04-2011

From: The Registrar.

To
The Principals,
Andhra University Affiliated Colleges (UG),

Sir,


Ref: 1. Recommendations of the Committee constituted for preparation of syllabus of Foundation Course held on 21-03-2011 in the Chamber of Dean, Academic Affairs, Andhra University, Visakhapatnam.
2. Orders of the Vice-Chancellor dated 21-03-2011.

With reference to the above subject, I am herewith forwarding a copy of the Syllabus and Scheme of Examination of Foundation Course-II of III year B.A./B.Com./B.Com. (Vocational)/B.Sc./B.B.M./B.C.A and B.Sc. (Home Science) Courses with effect from the admitted batch of 2009-2010.

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

Yours faithfully,

(M. SUDHAKARA RAO)
Assistant Registrar (Academic)

Copy to:
1. The Dean of Academic Affairs,
2. The Dean of Examinations (UG), AU., VSP.
3. The Special Officer (Confidential), A.U., VSP.
4. The Director, School of Distance Education, A.U., VSP.
5. The Special Registrar/Controller of Examinations, A.U., VSP.
6. E.I, E.II, E.III, E.IV. & E.VI Sections for information,
7. The Secretary to Vice-Chancellor & P.A. to Registrar, AU.
8. S.I. Section with five copies of syllabus for taking necessary further action.
UNIT-1: SCIENCE


   Atmosphere - Troposphere, Stratosphere, Ionosphere Composition of air - Ozone - Ozone layer - its importance.


3. **CHEMICAL SCIENCE**: The definitions, general awareness and importance of

   (i) **DRUGS**: Antibiotics, Penicillin, Tetracycline, Sulpha Drugs, Anti Malarial, Anti Pyretics, Analgesics.

   (ii) **SOAP AND DETERGENTS**: Sources - mechanism of soap action - development of detergents - applications - disadvantages of detergents.

   (iii) **PLASTICS AND POLYMERS**: Polyethylene, Polyvinylchloride (PVC), nylon 66 - rubber and synthetic rubber.


   v. **BIO FERTILISERS**: Applications and their affects on nature.

   (vi) **VITAMINS**: Natural sources - importance - deficiencies.

(Structures and preparation methods for the syllabus mentioned in (i) to (iv) are excluded).
UNIT-2: TECHNOLOGY AND DEVELOPMENT

1. Communication – Definition, nature and concept of communication – role of communication in society.

Types of Communication – Intrapersonal, Interpersonal, group and mass Communication. Traditional and folk forms of communication in India New Media technologies – Satellite, Cable and Internet.

Process of Communication – Functions of communication, elements and barriers of communication.


Transport – Wheel, Steam Engine, Automobile, Ship, Airplane. Comparison of Road, Rail, Water and Air transports in terms of infrastructure, speed, cost etc.


Scheme of examination and eligibility criteria to teachers

1. The foundation course-II paper namely Science and Technology & Development will have year end examination at the end of III year for seventy (70) marks in theory and thirty (30) marks for internal assessment. Internal Assessment through submission of assignment twenty (20) marks and viva-voce ten (10) marks. This is done by the teaching and marks may be submitted to the University.

2. Teaching Eligibility: Any faculty member with 55% (8+) marks in disciplines of Physics, chemistry and Life Sciences is eligible to teach the paper.

3. Evaluation of Answer scripts can be done by any of the above members who have taught the paper during the academic year.