

## **BP 206 T. ENVIRONMENTAL SCIENCES (Theory)**

**30 hours**

**Scope:**Environmental Sciences is the scientific study of the environmental system and the status of its inherent or induced changes on organisms. It includes not only the study of physical and biological characters of the environment but also the social and cultural factors and the impact of man on environment.

**Objectives:** Upon completion of the course the student shall be able to:

1. Create the awareness about environmental problems among learners.
2. Impart basic knowledge about the environment and its allied problems.
3. Develop an attitude of concern for the environment.
4. Motivate learner to participate in environment protection and environment improvement.
5. Acquire skills to help the concerned individuals in identifying and solving environmental problems.
6. Strive to attain harmony with Nature.

### **Course content:**

#### **Unit-I**

**10hours**

The Multidisciplinary nature of environmental studies

Natural Resources

Renewable and non-renewable resources:

Natural resources and associated problems

a) Forest resources; b) Water resources; c) Mineral resources; d) Food resources; e) Energy resources; f) Land resources: Role of an individual in conservation of natural resources.

#### **Unit-II**

**10hours**

Ecosystems

- Concept of an ecosystem.
- Structure and function of an ecosystem.
- Introduction, types, characteristic features, structure and function of the ecosystems: Forest ecosystem; Grassland ecosystem; Desert ecosystem; Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

#### **Unit- III**

**10hours**

Environmental Pollution: Air pollution; Water pollution; Soil pollution

**Recommended Books (Latest edition):**

1. Y.K. Sing, Environmental Science, New Age International Pvt, Publishers, Bangalore
2. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.
3. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad – 380 013, India,
4. Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p
5. Clark R.S., Marine Pollution, Clarendon Press Oxford
6. Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumbai, 1196p
7. De A.K., Environmental Chemistry, Wiley Eastern Ltd.
8. Down of Earth, Centre for Science and Environment



# SRI VENKATESWARA COLLEGE OF PHARMACY

(Affiliated to Andhra University, Visakhapatnam)

Approved by P.C.I., New Delhi & A.I.C.T.E., New Delhi

Email:svcp.etcherla@gmail.com, Website:www.svcpharmacy.in

## PROGRAM REPORT

DATE: 07/06/2020

TITLE OF EVENT	ENVIRONMENTAL DAY
EVENT START DATE	05/06/2020
EVENT END DATE	05/06/2020
DESCRIPTION	Environmental Day, let's educate, advocate, and empower. Together, we can increase and improve green cover, promoting carbon free environment lifestyles and ensuring a brighter future for all.

EVENT	PHOTOS
PIC - 1	



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PIC - 2



**PRINCIPAL**  
Sri Venkateswara College of Pharmacy  
Etcherla, Srikakulam-532410 (A.P)

**PROGRAMME OFFICER**

PROGRAMME OFFICER  
Sri Venkateswara College of Pharmacy  
Etcherla, Srikakulam-532410 (A.P)



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## PROGRAM REPORT

DATE : 12-11-2022.

TITLE OF EVENT	Tree Plantation
EVENT START DATE	10- 11- 2022
EVENT END DATE	10- 11- 2022
DESCRIPTION	Tree plantation was conducted by Sri Venkateswara college of pharmacy students to protect environment over long periods of time by providing oxygen, improving air quality, climate amelioration, conserving water, preserving soil, and supporting wildlife.

EVENT	PHOTOS
PIC - 1	<p>Latitude 00.0000° Longitude 00.0000° Local 12:35:58 PM Altitude -0 meters GMT 07:05:58 AM Thursday, 10.11.2022</p> <p>GPS Map Camera Lite</p>



SRI VENKATESWARA COLLEGES  
SRIRAKULAM

# SRI VENKATESWARA COLLEGE OF PHARMACY

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Approved by P.C.I., New Delhi & A.I.C.T.E., New Delhi

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PIC - 2



Latitude  
00.0000°

Local 12:35:55 PM  
GMT 07:05:55 AM

Longitude  
00.0000°

Altitude -0 meters  
Thursday, 10.11.2022

**PRINCIPAL**

Sri Venkateswara College of Pharmacy  
Etcherla, Srikakulam-532410 (A.P)

**PROGRAMME OFFICER**

**PROGRAMME OFFICER**  
Sri Venkateswara College of Pharmacy  
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