

STARTED BATCH IN ADD ON COURSE-2018
B.Sc.STUDENTS



ADD ON COURSE
on
Environmental chemistry

-----Organized by-----

Department of
Horticulture, Hindu College,
Market Centre GUNTUR-
522003

HinduCollege,Guntur
ADDONCOURSESYLLABUS

ENVIRONMENTAL CHEMISTRY

1. Introduction

Terminology – pollution, pollutant, contaminant, receptor, sink, dissolved oxygen (DO), chemical Oxygen demand(COD), Biomedical Oxygen demand(BOD) and threshold limit value.

2. Atmosphere

Major regions- troposphere, Stratosphere, Mesosphere and Thermosphere of atmosphere with temperature profile.

3. Green House Effect

Production, main sources of green house gases, consequences and prevention of Global warming.

4. Depletion of Ozone layer

Cause, Mechanism, Consequences and prevention of depletion of Ozone layer.

5. Air pollution

Air pollutants- Acid rains, Estimation and adverse effects of acid rain, photo chemical smog.

6. Water pollution

Classification of water pollutants, organic pollutants, Inorganic pollutants, radioactive pollutants, eutrofication and consequences, bioamplification

7. Toxicology

Toxic chemicals in the environment, biochemical effects of lead and Mercury and Arsenic. Biochemical effects of pesticides.

References:-

1. A text book of Environmental chemistry by V. Subramanyam, 2011.
2. A text book of Environmental chemistry and pollution control by SS Dhara and DD Mishra, 2004.
3. Objective environmental sciences by BB Singh.

AddOnCoursein Environmental chemistry

2018-2019

Model Paper

Time:- 3 hrsMax marks:- 50

Answer any two of the following

2x10=20M

1. How is atmosphere devied? Discuss the characteristics of major regions with temperature profile.
2. Write a note on Acid rain
- 3.write Bio chemical effects of Lead?

Answer any 3 questions

3X10=30M

1. What is Green House effect?
- 2.What is Eutrofication?
3. What are the pollutants and contaminants?
4. Explain bio amplification?

Hindu College, Guntur
Department of Horticulture
Add On Course 2018-2019

SNO	NAME OF THE STUDENT	Student Signature
1.	B.GopiNaik	B. Gopi Naik
2	B. Manikanta	B. Manikanta
3	Ch.Mounika	Ch. Mounika
4	E.Surendra	E. Surendra
5	K. Anuradha	K. Anuradha
6	K. Sudarshini	K. Sudharshini
7	K.Neelima	K. Neelima
8	K. Jagadeesh	K. Jagadeesh
9	M.Pavan	M. Pavan
10	P.PrasanthKumar	P. prasanth kumar
11	P.Ashok	p. Ashok
12	S.LakshmiSrilekha	S. lakshmi srilekha
13	V.ShanmukhaManikantaSwami	V. Shanmukha Mani kanta Swami

Hindu College, Guntur

Department of Horticulture

AddOnCourseMarksList-2018-19

SNO	NAMEOFTHECANDIATE	MARKSOBTAINED (50M)
1.	B.GopiNaik	39
2	B. Manikanta	42
3	Ch.Mounika	45
4	E.Surendra	42
5	K. Anuradha	46
6	K .Sudarshini	40
7	K.Neelima	38
8	K. Jagadeesh	39
9	M.Pavan	41
10	P.PrasanthKumar	45
11	P.Ashok	38
12	S.LakshmiSrilekha	36
13	V.ShanmukhaManikantaSwami	46

SCIENCES & ALLIED COURSES

ATTENDANCE FOR ADD ON COURSE

DEPARTMENT OF HORTICULTURE

(Environmental Chemistry)

SUBJECT:

YEAR: 2018

[illegible]

HINDU COLLEGE, GUNTUR



(Affiliated By Acharya Nagarjuna University)
Re-accredited By NAAC as Grade A

CERTIFICATE

This is to certify that Mr./Miss T. Geetha Sai Supriya studying
I HBZ has successfully completed certificate course on "Environmental chemistry"
conducted by Dept. of Horticulture, Hindu College, Guntur,
from 01-12-2018 to 31-12-2018. We wish all the best in his/her future endeavors.

P. N. Dey
HEAD



T. Geetha Sai Supriya
DIRECTOR
DIRECTOR
Sciences & Allied Courses,
Hindu College
Amaravathi Road Campus