STARTEDBATCHINADD ON COURSE-2018 B.Sc.STUDENTS



ADD ON COURSE

on

Environmental chemistry

Department of

Horticulture, Hindu College,

Market CentreGUNTUR—

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, Consquences 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, In organic pollutants, radio active pollutants, eutrofication and consequences, bioamplification

7. Toxicology

Toxic chemicals in the environment, bio chemical effects of lead and Mercury and Arsenic. Biochemical effectsod 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. Copi Naile B. Manikanta						
2	B. Manikanta	B. Manikanta						
3	Ch.Mounika	Ch. Mounika						
4	E.Surendra	F. Surendea						
5	K. Anuradha	k. Anuradha						
6	K .Sudarshini	1c. Sudhaschini						
7	K.Neelima	k. Neeling						
8	K. Jagadeesh	1c. Jagdeesh						
9	M.Pavan	M. pavan						
10	P.PrasanthKumar	p. prasanth kuma						
11	P.Ashok	pAshok						
12	S.LakshmiSrilekha	S. lakshmi szileki						
13	V.ShanmukhaManikantaSwami	V. Shanmukha Ma						

Hindu College, Guntur

Department of Horticulture

AddOnCourseMarksList-2018-19

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		(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

HINDU COLLEGE:: GUNTUR SCIENCES & ALLIED COURSES ATTENDANCE FOR ADD ON COURSE (Environmental Chemistry) DEPARTMENT OF HORTICULTURE

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6.	K. Anunadha	1	1	1	1	1	1	1	,	1	1	1	1	1	1	1	1	1	,	1	1	1	1	1	1					
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10.	P. Prashanth	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
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121	S. Lakshniszilekha	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
13.	P. Pavan P. Pashanth P. Hshok S. Lakihnisziekha S. Sizi vennela T. Geotha Sai Supriya V. Manikala Swany V. Vennala	1	1	/	/	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	a	1	1					
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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

THBZ has successfully completed certificate course on Environmental chemistry conducted by Dept. of Horticulture, Hindu College, Guntur, from 1-12-2018 to 31-12-2018. We wish all the best in his/her future endeavors.

AD

SCIENCES ALLIED CO

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Sciences & Allied Courses Hindu College