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# BARASAT COLLEGE

(Affiliated to West Bengal State University)

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Ref No. BCN/ADD/DEPT\_ZOOL/1102/2021

Date: 14<sup>th</sup> November, 2021

## NOTICE

This is to notify that the Department of Zoology will conduct an Add-on Course on Introduction to Environmental Pollution and Remediation from 22<sup>nd</sup> November to 8<sup>th</sup> December, 2021 on Google Meet from 6 P.M. to 8 P.M. Interested students should register for the course to the H.O.D, department of Zoology within 21<sup>st</sup> November, 2021.

  
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.M.A, M.Phil, Ph.D  
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## 30 HOURS ONLINE COURSE

### INTRODUCTION TO ENVIRONMENTAL POLLUTION AND REMEDIATION

[ORGANISED BY DEPARTMENT OF ZOOLOGY]

PLATFORM - GOOGLE MEET

DATE AND TIME - 22 NOVEMBER - 8 DECEMBER, 2021, 6.00-8.00 PM

Introduction to environmental pollution and remediation is a broad interdisciplinary course as it is the compulsory subjects for all students of Science, Arts and Commerce. The course is specifically created to improve student awareness of the various facets of environmental contamination that negatively impact human health. The course will focus on learning about the various types of pollutants, their sources, and the preventative measures.

#### ❖ OBJECTIVES OF THIS COURSE:

1. Conception and importance of the various elements contributing to the environment's degradation.
2. Air, water, noise, radioactive, and thermal pollution monitoring, and control.
3. Significance of Environment and Human Health.
4. Utilization of scientific and mechanical technologies to combat environmental degradation.
5. To learn about Environmental legislation, regulations, and other policy mechanisms.

❖ COURSE MODULES: The course will be divided into fifteen modules that will be covered in a total of 15 lectures of two hours each, spanning over five working days in one week.


MODULE	TOPIC	DAY	TIME
A	<ul style="list-style-type: none"><li>• Concept of Pollution</li><li>• Types of Pollutant</li></ul>	1	6PM-8PM
B	<ul style="list-style-type: none"><li>• Global Warming</li><li>• Nuclear Pollution</li></ul>	2	6PM-8PM
C	<ul style="list-style-type: none"><li>• Acid rain</li><li>• Ozone depletion</li></ul>	3	6PM-8PM
D	<ul style="list-style-type: none"><li>• Noise Pollution</li><li>• Soil Pollution</li></ul>	4	6PM-8PM
E	<ul style="list-style-type: none"><li>• Water Pollution</li><li>• Air Pollution</li></ul>	5	6PM-8PM
F	<ul style="list-style-type: none"><li>• Prevention of pollution-I</li></ul>	6	6PM-8PM
G	<ul style="list-style-type: none"><li>• Prevention of pollution -II</li></ul>	7	6PM-8PM
H	<ul style="list-style-type: none"><li>• Pollution case studies – I Air Pollution and Industrial Disaster</li></ul>	8	6PM-8PM
I	<ul style="list-style-type: none"><li>• Pollution case studies – II Water and Soil Pollution</li></ul>	9	6PM-8PM

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J	<ul style="list-style-type: none"><li>• Climate Change</li><li>• Solid waste Management</li></ul>	10	6PM-8PM
K	<ul style="list-style-type: none"><li>• Concept of sustainable development</li><li>• Environmental ethics</li></ul>	11	6PM-8PM
L	<ul style="list-style-type: none"><li>• Environmental and Human Health</li></ul>	12	6PM-8PM

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	<ul style="list-style-type: none"> <li>• Role of Information Technology in Environmental and human health</li> </ul>		
M	<ul style="list-style-type: none"> <li>• Biotechnology in Pollution control</li> <li>• Biodegradation and Bioremediation</li> </ul>	13	6PM-8PM
N	<ul style="list-style-type: none"> <li>• Salient features of the Environmental (Protection) Act 1986</li> <li>• Salient features of Municipal solid wastes (management and handling) rules (2000)</li> </ul>	14	6PM-8PM
O	<ul style="list-style-type: none"> <li>• Salient features of Noise pollution (regulations and control) rules (2000)</li> <li>• Salient features of Hazardous waste management and handling rules (1989)</li> </ul>	15	6PM-8PM

  
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