5.	(a)	What are Green House Gases? Discuss	ouse Gases? Discuss							
		in detail Green House Effect.	}							
	(b)	Write note on global warming.	7							
Unit III										
6.	(a)	Discuss formation soil horizons and their	r							
		characteristics. 10)							
	(b)	Define micronutrients and nacronutrients								
		5	;							
7.	Explain, how the following soil characteristics									
	vary	with depth ?								
	(a)	Structure								
	(b)	Texture								
	(c)	Colour								
	(d)	Porosity								
	(e)	Bulk density. 15	;							
M -3	18AA2	103 4								

No. of Printed Pages: 05 Roll No.

18AA2103

M.Sc. EXAMINATION, May 2019

(First Semester)

(C Scheme) (Re-appear)

ENVIRONMENTAL SCIENCE

ES505C

ENVIRONMENTAL CHEMISTRY

Time: 3 Hours [Maximum Marks: 75]

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note: Attempt *Five* questions in all, selecting at least *one* question from each Unit.

(3-41/1) M-18AA2103 P.T.O.

1.	(a)	Source of NOx and SOx in stratosph	ere	Unit I			
(b)		is. What do you mean by good ozone a bad ozone? Where they exist atmosphere?		2.	of a solution of	the hydroxide ion countries the hydroxide ion countries of the phase of the hydroxide ion of	2 2
	(c) (d) (e)	Name the six criteria pollutants. How soils air is different that atmospheric air? What do you mean by "tragedy commons" in environmental pollution		3.	(e) Define electroly (a) Define bond. (b) What an	Common Ion Effect electrochemical rtic cell. bond. Explain various re six most common of water quality?	cell and 4 us types of 10
	(f) (g) (h)	How will you prepare 0.5 N solution NaOH? Define solubility product. List general options for the control acid rain.	2	4.	What is Pho various condi	Unit II otochemical Smog ? itions required for for for smog ? Write vario	ormation of
М-	18AA2	2103 2		(3-41	P) M-18AA2103	3 3	P.T.O.

Unit IV

- 8. (a) Explain the process of eutrophication with sources and its effect. 5
 - (b) Why is the pH of sea water constant at 8 ± 2 ?
 - (c) Sketch a neat labelled diagram of rapid sand filter?
- **9.** Write short notes on the following:
 - (a) BOD
 - (b) COD
 - (c) DO. 15

Unit IV

- **8.** (a) Explain the process of eutrophication with sources and its effect. **5**
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 - (c) DO. 15

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5

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5

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