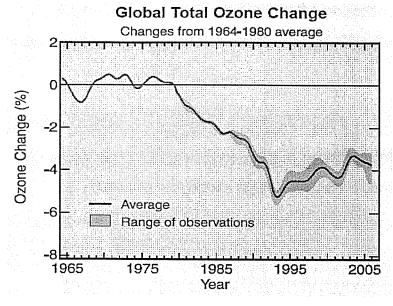


## The Open University of Sri Lanka M.Sc./PG Diploma in Environmental Studies Environmental Pollution- NEP 1209 – Level 07 - 2016 Assessment Test I(Open Book Test)

Duration - One hour		Reg.No.
Answer all questions on t	his paper itself.	
1. a. Why do we consi	der ground level Ozone(O <sub>3</sub> ) as	a secondary pollutant?
	d level Ozone differ from strato	spheric Ozone?
		,
	•	
	•••••	
c. Fill in the follow	ing Table by writing the relevar	it answers.
Name three substances	Write 3 effects of O <sub>3</sub> depletion	on Write 3 effects of Global

Name three substances that deplete O <sub>3</sub>	Write 3 effects of O <sub>3</sub> depletion	Write 3 effects of Global Warming
1.	1.	1.
2.	2.	2.
	:	
3.	3.	3.
ŧ	,	

d. The diagram below indicates the % Ozone change(Depletion) over the period of years.



	I.	Explain why % Ozone depletion is sharply dropped in 1993.
		••••••
		•••••••••••••••••••••••••••••••••••••••
· • •		What could be the great of facility of the Country
		What could be the reason/s for % Ozone Depletion again to rise from 1993?
· • •	••••	
	2.	a. What do you understand by the term "land based pollution sources"?
	••••	
• • •		
		b. List three effects due to land based pollution sources.
		,

c. A complaint was made by a resident stating that a lake near his house was becoming
green first and then getting a fishy smell after few weeks.
How do you explain this situation based on your knowledge on water pollution?
······································
d. What do you mean by oxygen demanding pollutants?
······································
e. List three(03) indicators of pollution for each category given below.
Biological indicators:
1
2
3
Chemical indicators:
1
2
3
Physical indicators:
$oldsymbol{1}$
2
3

4	a Dictinguich	hetween	hioaccumulation	and bio	magnification.
4.	a. Distinguish	Detween	Dioaccumulation	i and bio	magnification.

	Bioaccumulation	Bio magnification
1.		
2.		
3.		
,		

b. "Drinking of polluted water could cause water borne diseases to humans due to pathogens". Name two diseases for each pathogen given below.

Type of	Two names of diseases	Causative organism for each
pathogen		diseases
Bacterial	2	1.   2.
Viral	2	2

a. Define the term "Land Degradation".	
b. Why do we say "consequent decline in productivity" in that definition?	
!	!

study was done to estimate the biological quality of that soil and found out that it is
reduced.
i. How do you explain this observation?
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" W 11 1 C 11 1 C 11 1 1 1 1 1 1 1 1 1 1
ii. What kind of measures would you suggest to bring back the quality of soil in
this Teak plantation?
•••••••••••••••••••••••••••••••••••••••
······
· 
······································
c. List five uses of adding organic matter as a soil amendment.
······································