EASTERN UNIVERSITY SRI LANKA FIRST YEAR IN SCIENCE (2016/2017) **ENS 1032 - BASIC BIOLOGY**

2	hours		
-	all Questions		

a to j have to be <u>underline</u> the correct responses in this paper and attach with the sheet which ins the answers for remaining sections of this question paper.

trate the answer with clear labelled diagram where necessary) Index No:-....

"An assemblage or associa same geographical area and	tion of populations o	of two or more differ is called as	ent species occupying the
1. Species	2. Community	3. Population	4. Biome
Which is not an autotroph'	? 2. Green Plants	3. Bacteria	4. Algae
For biomagnification to od 1. Water soluble 3. Long live	2.	nst not be Mobile Biologically active	
What is non-living renewa	able natural resource	? 3. Fossil fuel	4. Wind
e. Main causes of acid rain a	2. SO ₂ , NO ₂	3. SO ₂ , Cl ₂	4.Cl ₂ , CO ₂
f. Which is not a nitrogen find 1. Azotobactor 3. Chlorobium	2	. Rhizobium . Nitrosomonas	
g. Which one of the following 1. Pseudomonos 3. Nitrosospira sp	sp 2	on bacterium? Nitrosomonas sp Nitrosococcus sp	medik oʻledga oʻquesili
h. Which is not an example 1. Bulb	e of e-pollutant? 2. Paper	3. Radio	4. Computer
i. Which one of the follow 1. Chlorofluoroc 3. Carbon tetracl	arbons (CFCs)	2. Methyl bro	omide (CH ₃ Br) chloride (HCl)
j. "Two organisms of diff	erent species exist in a	a relationship in whi	ch each individual benefits
from the activity of the 1. Parasitism		2. Competition	
3. Commensalis	sm	4. Mutualism	$(1.5 \times 10 = 15 \text{ Marks})$

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k. '	What do you meant by bioaccumulation?	(05 Marks)
1.	What is eutrophication?	(05 Marks)
m.	Write five abiotic factors in aquatic ecosystem?	(05 Marks)
n.	Briefly describe the Air Pollution	(10 Marks)
0.	Write a short note on renewable resources.	(10 Marks)
Q 02.		esi socilui.
a.	What is meant by the term Scientific name	(05 Marks)
b.	Draw and label a typical Plant Cell	(05 Marks)
c.	List five differences between Plant Cell and Animal Cell	(05 Marks)
d.	What are the major components of Ecosystem?	(05 Marks)
e.	Briefly explain the Energy Pyramid	(05 Marks)
f.	Write one example for each Food chain for paddy field, lagoon, ocean,	home-garden, a
	forest ecosystem	(05 Marks)
g.	List four Biotechnological applications used in Biology	(05 Marks)
h.	Draw and label the Sexual reproductive unit of a flowering plant	(05 Marks)
i.	Diagrammatically illustrate the Water cycle and how its effected	(10 Marks)