D 31124		(Pages : 2)	Name
			Reg. No
THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2012			
		(CCSS)	
		Biotechnology	
	BT 3C 02—ENVIR	ONMENTAL BIOTEC	CHNOLOGY
Tim?.: Three Hours			Maximum: 30 Weightage
I. Objective type questions. Answer all twelve questions.			
A Ma	atch the following:		
1	Torrey canyon	Lead poisoning	
2	DDT	Detoxification	
3	PCB	Cadmium poisoning	
4	Metalothioneins	2 chloronathlene	
5	Itai-Itai	Organochlorine	
6	Plumbism	Oil spill	
B State whether True or False:			
7 The acidity of rain is ≤ pH 5.7, it is called as Acid rain.			
8	Eutrophication causes decreased algal blooms.		
9	9 Biomagnification does not occur for Xenobiotics.		
10 Pollutants like hydrocarbons are carcinogenic.			
11 Increased UV-B radiation may lead to melanomas.			
12	Sound intensity between 90	0-100 decibels is not critic	
II Chart		all nine arrestions	$(12 x^{1}/_{4} = 3 \text{ weightage})$
H. Short answer type questions. Answer <i>all</i> nine questions. 13 Geiger-Müller counter.			
	Geiger-Müller counter. PCBs.		
	DDT.		
13	עעז.		

x 1 = 9 weightage)

Turn over

16 PAHs.

17 Biofouling.

19 Acid rain.

20 Carbon credits.21 Deforestation.

18 Green house effect.

2 D311,

- III. Short essay or paragraph questions. Answer any five from seven.
 - 22 Oil slicks and their environmental effects.
 - 23 Biosorption.
 - 24 Hydrocarbon degradation.
 - 25 Radioactive pollution.
 - 26 Ozone depletion.
 - 27 Mercury pollution.
 - 28 Types of bioremediation.

 $(5 \times 2 = 10 \text{ weightage})$

- IV. Essay questions. Answer any two from three.
 - 29 Write briefly on air pollution and its control.
 - 30 Discuss the removal of phosphorous from waste water.
 - 31 Explain the role of microbes in degradation of petrochemical effluents.

 $(2 \times 4 = 8 \text{ weightage})$