D 31124		(Pages : 2)	Name
			Reg. No
THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2012			
		(CCSS)	
Biotechnology			
BT 3C 02—ENVIRONMENTAL BIOTECHNOLOGY			
Tim?.: Three H	lours		Maximum: 30 Weightage
I. Objective type questions. Answer all twelve questions.			
A Ma	tch the following :		
1	Torrey canyon	Lead poisoning	
2	DDT	Detoxification	
3	PCB	<b>Cadmium poisoning</b>	
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 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 90-100 decibels is not critical for ear damage.

 $(12 \times \frac{1}{4}) = 3$  weightage)

- H. Short answer type questions. Answer all nine questions.
  - 13 Geiger-Müller counter.
  - 14 PCBs.
  - 15 DDT.
  - 16 PAHs.
  - 17 Biofouling.
  - 18 Green house effect.
  - 19 Acid rain.
  - 20 Carbon credits.
  - 21 Deforestation.

x 1 = 9 weightage)

Turn over

2 D311,

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

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

- 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.

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