C 62095	(Pages 2)	Name
02000	(- 3.8 - 3)	Reg. No
БОПРТИ СЕМЕ	STER B.Sc. DEGREE EXAMI	_
FOORTH SEME		MATION, MAT 2017
	(UG-CCSS)	
	Biotechnology	
	Complementary Course	
BT 40	C 02—ENVIRONMENTAL BIOTE	Maximum : 30 Weightage
Time : Three Hours		waxiiiuii . 30 Weighting
I. Objective type questio	on. Answer all questions :	
A True or False:		
1 Whey is a byprod	uct of textile industry.	
2 Amylase is an en	zyme widely used in food industry.	
3 Chlorella is an ex	xcellent choice for use as SCP.	
4 A bioscrubber is	physically similar to a chemical scrubb	er.
5 The Odyssey disa	aster was due to water pollution.	
6 Polylactic acid (I	${ m PLA})$ is a transparent plastic produced ${ m PLA}$	by bacteria.
B. Name the following	t -	
7 An in situ biorer	nediation technology.	
8 Enzyme widely u	sed in leather industry.	
9 Lactic acid based	l plastic.	
10 A bacteria used f	or the industrial production of FBA	
11 Biotrickling filte	ers used to control odours.	
12 Minamata disea	se is caused by.	
		(12 x = 3 weightage)
II. Short answer type qu	uestions. Answer all questions :	
13 Riofiltare		

13 Biofilters.

14 Lagoons.

15 Natural dyes.

16 Biopol.

17 Bio degradation of pesticides.

18 Biogas.

Turn over

- 19 Applications of bioscrubbers.
- 20 Microbes employed for the production of SCP.
- 21 Disadvantages of bioplastic.

 $(9 \times 1 = 9 \text{ weight})$

- III. Short essay or paragraph questions. Answer any five questions:
 - 22 Distillery waste water treatment techniques.

It

- 23 Water pollution parameters.
- 24 Immobilisation techniques.
- 25 Detail the characteristics of Dairy waste water.
- 26 Lead pollution.
- 27 Treatment technologies of tannery effluents.
- 28 Disposal strategy of wastes generated from pulp and paper industry.

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

- IV. Essay questions. Answer any two:
 - 29 Detail waste water treatment processes.
 - 30 How can biotechnology be used in controlling pollution through the use of cleaner technology?
 - 31 Sources and effects of pesticide pollution.

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