PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b). Each answer should not exceed 600 words.

16. (a) Describe the different spheres of the Environment.

Or

- (b) List the various criteria for Biomonitoring of pollution.
- (a) Give a detailed account on petroleum plants.
 Or
 - (b) Give a detailed account on Biogas plant.
- (a) Explain sustainable agricultural management.

Or

- (b) Write an essay about water recycling.
- (a) Write an essay on Insitu bioremediation.
 Or
 - (b) Discuss about solid waste management.
- (a) Write an essay on the causes of Green house effect and the measures to control it.

Or

(b) Define ozone depletion, what are the effects of ozone depletion on human being.

Page 4 Code No.: 11585 E

Reg.	No.	:	
Terrib.		•	

Code No.: 11585 E Sub. Code: JMPB 6 B

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2019.

Sixth Semester

Plant Biology and Plant Biotechnology - Main

Major Elective III — ENVIRONMENTAL BIOTECHNOLOGY

(For those who joined in July 2016 onwards)

Time: Three hours Maximum: 75 marks

PART A — $(10 \times 1 = 10 \text{ marks})$

Answer ALL questions.

Choose the correct answer.

- The area of human settlement on the earth is called
 - (a) Lithosphere
- (b) Anthrosphere
- (c) Hydrosphere
- (d) Geosphere
- 2. Chlorella species are widely used in the removal of
 - (a) Organic wastes
- b) Hydrocarbons
- (c) Heavy metals
- d) Oil spills

DINE	as plants using catt	le du	ing are called
(a)	Thermal power sta	tion	
(b)	Gobar gas palnts		
(c)	Marsh gas plant		
(d)	Gas stations		
Eup	horbia tirucalli beloi		o the family
(a)	Malvaceae	(b)	Rubiaceae
(c)	Euphorbiacease	(d)	Orchidaceae
_	are remove	ed f	rom the sewage by
scre	ening in seawage tre	atm	ent.
(a)	Floating wastes	(b)	
(c)	Colloidal wastes	(d)	None of these
soils (a)		(b) (d)	reclamation of acidic Green manuring Liming
	ch of the followi emediation?	ng	microbe is used in
(a)	Methanobacterium	(b)	Clostridium
(c)	Pseudomonas	(d)	Bacteriocides
The	use of living mi ronmental pollutant	croo	rganisms to degrade called
(a)	sedimentation	(b)	Bioremediation
(c)	filtration	(d)	Disinfection
	eased photosyntheti ue to	c rat	e is reported in plants
(a)	Green house effect	(b)	Wind pollution
1000	Acid rain	(d)	Oxides of nitrogen
(c)	Acid rain	(u)	Oxides of introgen

The rain water with pH value 10. considered as acid rain. <5.6 <6.5 >7.0 (d) >5.7 PART B — $(5 \times 5 = 25 \text{ marks})$ Answer ALL questions choosing either (a) or (b). Each answer should not exceed 250 words. Write short notes on Anthrosphere. Or Write short notes on Aims of Environmental Biotechnology. Write short notes on Biofuels. 12. Or Write short notes on Methanogenesis. Write short notes on Soil conservation. 13. Or Explain the primary and secondary treatment of sewage. Write shorts notes on Biodegradation of 14. Hydrocarbons. Or Write briefly about sanitary land fills. Explain global warming. 15. (a) Or Write the causes of Acid rain.

Code No.: 11585 E