			N
D 91	.070	(Pages : 2)	Name · · · · · · · · · · · · · · · · · · ·
			Reg. No·····
F	'IF' A SEMESTER B.S	Sc. DEGREE EXAMINATIO	N, NOVEMBER 2015
		(UG-CCSS)	
		Core Course—Microbiology	
	MB 5B 14—ENVIRO	ONMENTAL AND SANITATION	MICROBIOLOGY
Time : '	Three Hours		Maximum: 30 Weightage
		Section A	
		Answer all twelve questions. Each question carries ¼ weightage.	
1.	Escherichia coli is an	organism of water pollution.	
2. Pollutants which are manmade synthetic molecules are called ———			
3.	Brilliant Green Lactose Bile broth is a medium used in test of water quality analysis		
4.	Soil immediately around the	ne root is called	
5.	Out of the four steps in the methane generation ————————————————————————————————————		
6.	Expand TDS, term used in	waste water character.	
7.	Amensalism is a	nteraction.	
8.	Azotobacter is a free living	g ———— fixing bacteria.	
9.	The form of nitrogen that	is most usable by the plant is	_
10.	Zoaglea remigera is a slim	e forming bacteria seen in	systems.
11.	Formation of "infection thread" in certain root hairs is due to bacteria		
12.	Growth of algae is promot	ed in oxidation pond to improve	content of water.
			(12 x = 3 weightage)
		Section B	

Answer all the nine questions in one or two sentences.

Each question carries 1 weightage.

13. Compensation level.
14. Bio leaching.
15. Slit sampler.
16. Infectious dust.

17. Lithosphere. 18. Predation.

19. Secondary consumer. 20. Halotolerents.

21. Antibiosis.

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

Turn ove

Section C

Answer briefly on any five questions. Each question carries 2 weightage.

22. Phosphorus cycle.

23. Bioremediation.

24. Vermicomposting.

25. Denitrification.

26. BOD.

27. Sanitary Landfills.

28. Septic tank.

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

Section D

Answer briefly any two questions. Each question carries 4 weightage.

- 29. What is meant by presumptive colifor count? Discuss the qualitative methods of water qua analysis.
- 30. Discuss briefly about the negative interactions of microbial populations in soil.
- 31. Discuss briefly about air borne diseases.

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