Registration No		ration No.										
Total number of printed pages - 01 <u>B.TECH</u> FECH6302												
6 th Semester Regular / Back Examination 2016 - 17 BIOTECHNOLOGY BRANCH : Chemical Time : 3 Hours Max Marks : 70 Question Code : Z868 Answer Question No. 1 which is compulsory and any FIVE from the rest. The figures in the right-hand margin indicate marks. Answer all parts of a question at a place.												
1.	(a) (b) (c) (d) (e) (f) (f) (j)	 (b) What is BOD? (c) What are the goals of classification of bacteria? (d) What is three kingdom classification? (e) Define the terms autotrophs and heterotrophs. (f) What is the function of capsule in bacterial cell? (g) What do you mean by mesophiles and thermophiles? (h) Define the term parasitism and predaction. (i) What is oxidation pond? 								2	x 10	
2.	 Explain the "Modern advanced wan neat flow sheet. 						aste water treatment" with				h	10
3.		Briefly explain the general methods of classifying bacteria.										10
4.	(a) (b)								asis o	n	05 05	
5.	(a) (b)										05 05	
6.		Draw a ty Discuss th of each pha	ose fa	•								10
7.	Draw a neat diagram of bacterial cell. Write the functions of different components of bacterial cell.									of	10	
8.		Write sho	rt note	s on a	ny TW	/O :					ł	5 x 2

- 8.
- Write short notes on any TWO:
 (a) Activated sludge process
 (b) Pure culture techniques
 (c) Cultural characteristics
 (d) Application of microbiology in industry
