

IMS ENGINEERING COLLEGE		IMSEC/QF/48	
FORMATS		Page 1 of 1	
		Issue No: 02	
Tutorials/ Assignments/ Quizzes		Issue Date: 1 May 2010	
Prepared by: MR		Approved by: Director	
Subject Name	Industrial biotechnology	Subject Code	NBT-053
Date of Handout	19-02-2018	Max Marks	
Date of Submission	26-02-2018	Rashmi Chandra	

Assignment No. (3)

1. What is a bioreactor?
2. What are the factors that are normally controlled in a bioreactor?
3. Write down some application of fluidized bed reactor.
4. What is the difference between packed bed and trickle bed reactor?
5. Discuss the significance of agitators.

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Course Outcome and Assignment Question Mapping Matrix							
Question Number							
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
2	2	2	2	2			