Parvatibai Chowgule College of Arts and Science Autonomous Department Of Biotechnology (2018-2019)

COMPETENCY TEST

ROLL NO:	
Subject: Biotechnology Course: Industrial Biotechnology (Advanced) Date & Time: Marks: 10	
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Instructions if any: 1) All the questions are compulsory.	
2) Figures to the right indicate the highest marks to	the questions.
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Q.1 Answer the following.	
1. What is fermentation?	(1mk)
2. Name the important parts of a fermentor.	(1mk)
3. Name the different type of fermentors.	(1mk)
4. What is upstream processing?	(1mk)
5. What is downstream processing?	(1mk)
6. If you were to design an ideal fermentor, what would be the characterist consider?	tics you would (1mk)

7. What is screening? What is its importance?	(1mk)
8. Mention a few fermented products and also name the micro-organism that ferme	nts them. (1mk)
9. Dr. Rahim has successfully managed to improve a strain of <i>E.coli</i> for enhance production. However the strain is highly unstable. Dr. Rahim wants to store the long term use and preserve it over 15 years at his research institute.	
If you were his colleague what methods would you recommend him for long ter keeping in mind that the cultures remain Stable.	m storage, (1mk)
10. What is an Inoculum?	(1mk)
