

<b>IMS ENGINEERING COLLEGE</b>	<b>IMSEC/QF/48</b>	
<b>FORMATS</b>	<b>Page 1 of 1</b>	
	<b>Issue No: 02</b>	
<b>Tutorials/ Assignments/ Quizzes</b>	<b>Issue Date: 1 May 2010</b>	
<b>Prepared by: MR</b>	Approved by: Director	
<b>Subject Name Bioseparation and Down Stream Process</b>	<b>Subject Code</b>	<b>NBT-701</b>
<b>Date of Handout      16/11/2017</b>	<b>Max Marks</b>	
<b>Date of Submission    21/11/2017</b>	<b>Rashmi Chandra</b>	

### Assignment No (7)

- 1) Discuss briefly the recovery process of insulin hormone.
- 2) Writ the note on downstream processing of Vitamin B-12.
- 3) Mention the steps involved in DSP of hepatitis B vaccine.
- 4) Write note on advantage of freeze drying.
- 5) How crystallization different from precipitation.

<b>For Office Use only</b>				
<b>Course Outcome and Question Mapping Matrix</b>				
<b>Question Number</b>				
<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q5</b>
<b>6</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>5</b>