

S.E - IV Sem - Biotech  
Fermentation Technology

SE/IV/CBGS/BT/FT

(24)

Q.P. Code : 5422

(3 Hours)

[ Total Marks : 80

N.B. : Answer any five questions.

1. (a) Describe upstream fermentation processing. 10  
(b) Describe Fed-batch culture and its uses. 10
  2. (a) How is cell concentration in fermentation determined? 10  
(b) Describe preservation of useful microbes. 10
  3. (a) Describe "Crab-tree effect. 10  
(b) Describe energy and carbon sources in fermentation media. 10
  4. (a) What is oxygen demand in a fermentation process? Explain its importance. 10  
(b) Describe various parts of typical fermentor. 10
  5. (a) Describe culturing of animal cells. 10  
(b) How is r-DNA technology useful in Fermentation? 10
  6. (a) Describe the production of Beer. 10  
(b) What is steroid transformation? Explain the importance. 10
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