

## Fermentation Technology

24

QP Code: 12491

(3 Hours)

[ Total Marks : 80

- N.B : (1) Answer any four questions.  
(2) Each question carries twenty marks.

1. (a) From history, what fermentations we have been using routinely ? Give examples. 10  
(b) What is Up-stream processing in fermentation ? 10
2. (a) What is continuous culture ? Give one example. 10  
(b) List methods to preserve industrially useful cultures. 10
3. (a) What is Crab-Tree effect ? Explain. 10  
(b) What criteria are used for medium optimization ? 10
4. How r-DNA technology could be very useful for fermentation ? Explain. 20
5. (a) How is Acetic acid produced ? 10  
(b) How is Amylase enzyme produced ? 10
6. (a) How wine is made ? 10  
(b) What is "steroid-transformation" ? 10

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