

Vitthalbhai Patel & Rajratna P.T.Patel Science College

V.V.Nagar

Internal Test: March-2018(Semester VI)

Microbiology (USO6CMIC06)

Date: 17-03-2018

Time: 11:00a.m.-12:30p.m.

Total Marks: -25

Q-1 Attempt the following multiple choice questions.

(03)

- (1) The agent used as filter aid during filtration process is:
(a) Sand (b) Diatomaceous earth (c) Glass wool (d) All of them.
- (2) Following can be detected by LAL test.
(a) Endotoxin (b) Exotoxin (c) Endospore (d) None of them.
- (3) What is added as an antioxidant during ageing process of beer?
(a) Hop oil (b) Adjuncts (c) Resins (d) Potassium metabisulphate.



Q-2 Attempt the following (any two)

(04)

- 1) Describe various criteria for selection of recovery process.
- 2) Enlist the methods of immobilization of enzyme.
- 3) Which nutritional requirements are present in molasses?

Q-3. Describe chemical methods of cell disruption.

(06)

OR

Q-3. Write a note on Liquid-Liquid extraction for recovery of fermentation process.

(06)

Q-4. Write a note on fermentation economics.(Any six points)

(06)

OR

Q-4. Describe bioassay of fermentation products.

(06)

Q-5. Describe various raw materials used for beer production.

(06)

OR

Q-5. Write a note on Vinegar production.

(06)
