



V.P.&R.P.T.P.SCIENCE COLLEGE

B.Sc.EXAMINATION(SEM-5)

MICROBIOLOGY-US05CMIC06

THURSDAY 6/10/2016

TIME- 11-00AM TO 12-30PM

TOTALMARKS - 25

QUE-1. Multiple choice Questions (03)

(1)Primary product of metabolism are usually produced in:

(a) Stationary phase (b)Idiophase (c)Trophophase (d)None of these

(2)Following is the carbon source used in fermentation media:

(a) Starch (b) Molasses (c)Cellulose (d)All of these

(3)The function of baffle is to:

(a) introduce sterile air (b) prevent vortex (c) mix the contents (d) None of these

QUE-2. Short questions (answer any two) (04)

(a) Describe characteristics of industrially important organisms.

(b) Explain the role of inducer in fermentation medium.

(c) Write a brief note on fed batch fermentation.

Que-3. Describe significance of secondary screening. (06)

OR

Que-3. Write in detail on the range of fermentation processes. (06)

Que-4. Write a note on protoplast fusion. (06)

OR

Que-4. Describe various components used as nitrogen source in fermentation medium. (06)

Que-5. Write a note on solid state fermentation. (06)

OR

Que-5. Describe monitoring and control of temperature and foam during fermentation. (06)

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