



V.P. & R.P.T.P. Science College

INTERNAL TEST (SEMESTER-5)

US05CMIC06 (MICROBIOLOGY)

7/10/2013

MARKS-30

MONDAY

TIME=3-30 TO 5-00 PM

Que-1 Multiple choice questions:

(06)

- (a) Which dye is used to detect organic acid producers:
(i) Neutral red (ii) congo red (iii) Phenol red (iv) none of them
- (b) Which character is important for industrial organisms:
(i) Nutritional (ii) optimum temperature (iii) genetic stability (iv) All of them
- (c) Which enzyme is used to break cell wall of bacteria:
(i) pectinase (ii) chitinase (iii) Lysozyme (iv) cellulose
- (d) Which yeast is used as an inducer in streptomycin production:
(i) Saccharomyces (ii) Aspergillus (iii) Mannan (iv) None of these
- (e) What is OTR-
(i) oxygen transfer rate (ii) Oxygen transportation rate
(iii) Oxygen transfer reaction (iv) None of them
- (f) The method used to measure OTR includes:
(i) sulphite oxidation (ii) gassing out (iii) None of them (iv) both of them

Que-2 Short questions(Answer any three)

(06)

- (i) Auxanography
- (ii) Compare primary and secondary screening
- (iii) How UV can be used to improve industrially important organism?
- (iv) Briefly explain gene technology.
- (v) What is scale up?
- (vi) Write in short-sampling.

Que-3 Describe the significance of secondary screening.

(06)

OR

Que-3 Describe the primary screening of antibiotic producers.

(06)

Que-4 Explain: protoplast fusion

(06)

OR

Que-4 Describe chemical mutagen for increasing product yield.

(06)

Que-5 Write a note on sterilization of media.

(06)

OR

Que-5 Describe various factors affecting OTR.

(06)