

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

INTERNAL TEST

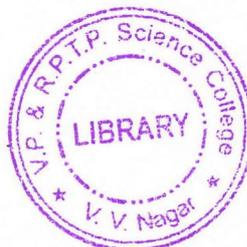
US06CBOT06 (PLANTBIOCHEMISTRY)

15/03/2014

Saturday

Marks-30

Time-3-30to 5pm



QUE-1 SHORT QUESTIONS(ANSWER ANY THREE)

(06)

- (a) Define: fatty acid
- (b) How many ATP molecules are produced after complete oxidation of caproic acid.
- (c) Define: Enzyme
- (d) List factors affecting enzyme catalyzed reaction.
- (e) What is the role of hexokinase in glycolysis?
- (f) What is substrate level phosphorylation?

QUE-2 How glucose converts into pyruvate?

(08)

OR

QUE-2 Write in detail about ETS

(08)

QUE-3 (a) Write a note on induce fit model of enzyme action.

(04)

(b) Give IUB system of enzyme classification.

(04)

OR

QUE-3 Derive M-M equation.

(08)

QUE-4 How many ATP molecules are produced after the complete oxidation of palmitic acid?

(08)

OR

QUE-4 Write in detail about  $\beta$ -oxidation.

(08)

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