

Baba

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

INTERNAL TEST (US06CBOT06)

SUBJECT-BOTANY

DATE-17/03/2018

TOTAL MARKS-25

Saturday

TIME: 11-00A.M. TO 12-30P.M.

Que-1 Multiple choice questions:

(03)

(a) Which one of the following is a zymogen?

(i) Trypsin (ii) Trypsinogen (iii) Chymotrypsinogen (iv) More than one option

(b) Which one of the following is a hexose sugar?

(i) Glucose (ii) Fructose (iii) Galactose (iv) All of these

(c) Which one of the following is an essential fatty acid?

(i) Acetic acid (ii) Palmitic acid (iii) Linoleic acid (iv) None of these



Que-2 Short questions: (any two)

(04)

(a) Write in brief on isoenzymes.

(b) List components involved in ETC.

(c) What is amphibolic pathway?

Que-3 Write in detail about regulatory enzymes.

OR

(06)

Que-3 Derive M-M equation when $V_0 = V_{max}/2$ and by taking double reciprocal.

Que-4 What is substrate level phosphorylation? How many ATP molecules are produced when one molecule of glucose is oxidized.

OR

(06)

Que-4 Write reactions catalyzed by hexokinase and PFK.

Que-5 How many ATP molecules are produced after complete oxidation of palmitic acid, caproic acid and lauric acid.

OR

(06)

Que-5 Justify-Why kreb's cycle is known as central metabolic pathway.

