

EASTERN UNIVERSITY, SRI LANKA
FIRST YEAR, SECOND SEMESTER EXAMINATION IN AGRICULTURE-2012/2013
AC 1201- BIOCHEMISTRY(3:30/30)
END SEMESTER EXAMINATION

Time : 2 hours.

This paper should be answered in English.

1.
 - i) "Aerobic oxidation of Glucose yields more energy than anaerobic oxidation" -Explain the Statement.
 - ii) Write an account on Gluconeogenesis starting from pyruvate.

2.
 - i) Describe the Fatty Acid Oxidation Pathway .
 - ii) Explain why Ketone Bodies may accumulate in an animal ?

3.
 - i) Outline the catabolic pathways of amino acids in protein metabolism.
 - ii) Discuss the importance of "Urea Cycle" in human.

4. Write Short Notes on the Following:-
 - a. α helix and β pleated secondary structures of protein .
 - b. Polysaccharides in plants.
 - c. Tricarboxylic Acid Cycle (TCA Cycle).
