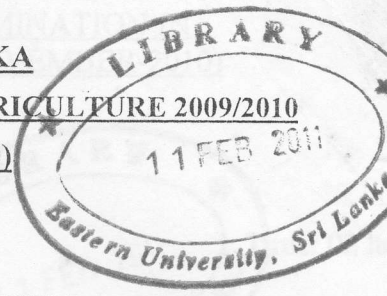


ESTERN UNIVERSITY, SRI LANKA

FIRST YEAR, SECOND SEMESTER EXAMINATION IN AGRICULTURE 2009/2010

ACH 1201-BIOCHEMISTRY (3:30/30)



Time: 2 Hours

Answer all Questions

- 1) a) Classify amino acids based on the composition of the side chain with examples.
b) How is a peptide bond formed? What are the biological activities of peptide bond?
- 2) a) Write brief account on Phospholipids.
b) What are ketone bodies? Explain the reactions leading to the formation of them.
- 3) Discuss the formation of Acetyl-coA from pyruvate. How acetyl-coA is further metabolized in the citric acid cycle.
- 4) a) "Gluconeogenesis is not a simple reversal of glycolysis" justify your answer by giving the reactions.
b) Write short notes on
 - i) Polysaccharides
 - ii) Glucose- Alanine cycle.
 - iii) Xerophthalmia
