



EASTERN UNIVERSITY, SRI LANKA

FIRST YEAR, SECOND SEMESTER EXAMINATION IN AGRICULTURE-

2003/2004

ACH 1201 :ANALYTICAL CHEMISTRY AND BIOCHEMISTRY (3:30/30)

TIME: 2 HOURS

ANSWER ALL QUESTIONS

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1. a) Classify the different Chromatographic techniques in food analysis..
b) Briefly describe the factors affecting the solubility of a solute.
c) Giving example, describe the Redox reactions in an electro chemical cell in analytical studies.

 2. a) Discuss the stereo isomerism in carbohydrates.
b) Explain the structure of proteins.

 3. a) Out line the catabolic pathways in carbohydrate metabolism.
b) Write brief account on "Gluconeogenesis".

 4. Write short notes on
 - a. β - oxidation.
 - b. Urea cycle.
 - c. Ketosis
