

EASTERN UNIVERSITY, SRILANKA

THIRD EXAMINATION IN SCIENCE 2001/2002

FIRST SEMESTER (April 2002)

BT303, PLANT BIOCHEMISTRY

Answer All Questions



Time: 02 Hours

- Q1. (a) Define the term “**enzymes**” and give their characteristics.
(b) Explain the principles underlying the classification of enzymes. Give a named example for each group of enzymes and state why it belongs to that particular group.
- Q2. (a) Outline the catabolic pathway of **Pentadecanoate**(C₁₅).
(b) How many molecules of ATP will be generated in the catabolism of one molecule of **Pentadecanoate**.
- Q3. (a) Giving examples, describe how sugars are produced from fatty acids.
(b) Explain, how urea is formed in ureolytic animals.
- Q4. Write short notes on the following
(a) Carbohydrates.
(b) Oxidative Phosphorylation.
(c) Secondary plant products.