

Eastern University Sri Lanka

Year Second Semester Examination in Science - 2013/2014 (Oct-2016)
BT 203, Plant Biochemistry (Proper & Repeat)

For all questions

Time: 2 hours



Briefly explain the following terms.

- | | | |
|------------------------------|------------------------------------|-------------|
| Holoenzyme | (f) α 1-6 Glucoside linkage | |
| isoelectric point of protein | (g) Globular protein | |
| Transamination | (h) Waxes | |
| Inulin | (i) Phospholipids | |
| Cellulose | (j) Nucleotides | (10*10=100) |

- (a) Define the term "Enzymes" and give their characteristics. (50 marks)
(b) Classify the enzymes with named examples (50 marks)

Briefly explain the following;

- (a) Glycolysis (33 marks)
(b) Glyoxalate Pathway (33 marks)
(c) Values of plant secondary compounds (34 marks)
- (a) Out line the catabolic pathway of Pentadecanoate (C_{15}) (70 marks)
(b) How many ATP molecules will be generated in the catabolism of one molecule of Pentadecanoate (C_{15}) (30 marks)
