

BSc in Tea Technology and Value Addition
Third Year First Semester Examination –January 2020 (10/01/2020)

Advanced Tea Physiology (TEA 311-2)
Open Book Examination - Essay Questions

Instructions:

Answer only **three (03)** questions from the following. The answers should be hand-written. Write your Name/Reg. number in each page. You are allowed to refer lecture notes, journal articles, text books or any other material. Submit your answers to VLE or email to chandima@uwu.ac.lk **before 11.30 am.**

No. of questions : Four (04)
No. of pages : One (01)
Time : Two (02) hours (**9.00 am – 11.00 am**)
Total marks allocated : 60%

01. Briefly discuss the importance of shade management in tea, emphasizing its positive and negative influences on key agronomic and physiological parameters.

(20 marks)

02. A researcher wanted to compare leaf temperatures of two tea cultivars, A and B grown in the same field. He found that the leaf temperature of Cultivar A was significantly greater than that of Cultivar B. Discuss the possible reasons for the observed variation in the leaf temperature between two cultivars.

(20 marks)

03. A range of anatomical and morpho-physiological attributes have been linked to drought tolerance in tea. Discuss how these attributes helps the tea plant to survive and perform well under drought conditions.

(20 marks)

04. Success of tea pruning depends on several biotic and abiotic factors. Discuss those factors affecting survival, re-growth and recovery after pruning.

(20 marks)

[End of the paper]