

Bachelor of Animal Science
Second Year First Semester Examination –February 2021 (09/02/2021)

Introduction to Crop Science (ANS 201-0)
Open Book Examination - Essay Questions

Instructions:

Answer only **two (02)** questions from the following **including the question No 01**. 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 12:45 pm**.

No. of questions : Three (03)
No. of pages : One (01)
Time : Two (02) hours (**10:00 am – 12:00 noon**)
Submit before **12:45 pm**
Total marks allocated : 60%

01. Write short notes on the followings

- (I) The significance of the plantation sector in the national economy and environmental sustainability (25 marks)
- (II) Components of a typical Drip Irrigation System (25 marks)
- (III) Purpose of Irrigation scheduling in agricultural water management (25 marks)
- (IV) Suggestions to improve the productivity of a marginal coconut land (25 marks)

02. (I) Explain different factors to be considered when selecting stock and scion for grafting. (50 marks)

- (II) Formation of graft union is essential in producing grafted plants. Discuss the conditions and factors that affect in successful grafting. (50 marks)

Or

03. Discuss how Integrated Pest Management (IPM) can be applied in paddy cultivation and explain the benefits of adopting IPM in agriculture

[End of the paper]