



Principles of Agronomy (EAG 151-2)

Instructions

Answer **all** questions

No. of questions : Two (02)

No. of pages : One (01)

Time : One (01) hour

Total marks allocated : 50%



Index No:

Part II- Essay

Question 01

Grafting is an important method in plant propagation but formation of a successful graft union greatly depends on the compatibility of the *stock* and *scion*;

- 1.1 Define 'stock' and 'scion'? (4 marks)
- 1.2 Discuss essential characteristics to be considered when selecting a stock and scion. (8 marks)
- 1.3 Explain possible causes that lead to graft incompatibility. (8 marks)
- 1.4 Explain how graft incompatibility is identified. (6 marks)

Question 02

Briefly discuss;

- 2.1 Integrated Weed Management (IWM) in field crop cultivation (8 marks)
- 2.2 Nutrient transport in the soil-plant system (8 marks)
- 2.3 Forms of soil water storage (8 marks)