

Eastern University, Sri Lanka

Third Year First Semester Examination in Agriculture 2016/2017 (February 2019)

CS 3101 Agronomy of Field Crops

Time : Two hours

Answer all questions

1. Describe the recommended agronomic practices for cowpea (*Vigna unguiculata*) cultivation to obtain optimum yield in Sri Lanka.
 2. Briefly explain,
 - a. Effects of climate on growth and yield of rice (*Oryza sativa*).
 - b. Factors affecting the filled spikelet percentage in rice (*Oryza sativa*).
 3. Write short notes on the following,
 - a. System of planting in sugarcane (*Sachcharum officinarum*).
 - b. Special agronomic practices in tobacco (*Nicotiana tabacum*).
 - c. Physiological requirements for high yield in rice (*Oryza sativa*).
- Write an account on the following,
- a. Effect of gypsum application in groundnut (*Arachis hypogaea*).
 - b. Nursery management in onion (*Allium cepa*).
