



Scott Christian UNIVERSITY

SCHOOL OF PROFESSIONAL STUDIES

CERTIFICATE IN AGRIBUSINESS

UNIT CODE/NAME: CAG 105: PRINCIPLES OF CROP PRODUCTION

September- December 2019/2020 End Semester Exam

- Time: 2 Hours

Instructions: Answer Question ONE (Compulsory) and any other TWO questions.

QUESTION ONE

- a) State **two** major methods of classifying crops (2 Marks)
- b) Mention **four** constraints that affect crop production in Kenya (4 Marks)
- c) Give **five** advantages of intercropping (5 Marks)
- d) State **five** indirect effects of pests on crops (5 Marks)
- e) Outline **five** signs of plant diseases (5 Marks)
- f) Mention **five** desirable properties of high-quality grains (5 Marks)
- g) Outline **four** characteristics of weeds that make them persistent (4 Marks)

QUESTION TWO

You are appointed as a crops development officer in Machakos County.

- a) Explain **five** causes of seed dormancy in your area of jurisdiction (10 Marks)
- b) Highlight **five** factors influencing depth of planting in your area (5 Marks)

QUESTION THREE

- a) Explain **five** benefits of mulching to a farmer in Machakos (10 Marks)
- b) Explain **five** factors affecting irrigation frequency of crops (5 Marks)

QUESTION FOUR

- a) Explain **five** advantages of underground drainage to a farmer (10 Marks)
- b) Describe **five** effects of delayed harvest of grains (5 Marks)

QUESTION FIVE

- a) Explain **five** objectives of crop improvement (10 Marks)
- b) Elucidate the desirability of integrated weed management (5 Marks)