



MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

School of Natural Sciences (SONAS), Department of Pure and Applied Chemistry

UNIVERSITY SUPPLEMENTARY/SPECIAL EXAMINATIONS

2021/2022 ACADEMIC YEAR

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF INDUSTRIAL CHEMISTRY

COURSE CODE: SCI 466

COURSE TITLE: AGRO-BASED AND FOOD - BASED INDUSTRIES

DATE:

WEDNESDAY, 27TH JULY 2022

TIME: 11:00-1:00PM

INSTRUCTIONS:

Read, understand and answer ALL questions as required.

The use of correctly cited relevant examples and/or illustrations earns marks.

MMUST observes ZERO tolerance to examination cheating

This paper consists of 3 printed pages. Please turn over

- (c) Give typical of agro food and agro non- food processing activities in Kenya that depict the difference between the two types of enterprises. (3 marks)
- (d) What are some of the acute and chronic effects of prolonged exposure to pesticides including herbicides to humans particularly? (3 marks)

Question 4	[15 marks]
(a) How are fertilizers made?	(4 marks)
(b) Give three (3) examples of each of the following types of fertilizers.	
(i) Typical common fertilizers(ii) Natural organic fertilizers.(iii) Manufactured organic fertilizers	(1½ marks) (1½ marks) (1½ marks)
(c) What are hydroponics?(d) Why does manure smell?(e) Why do plants yellow out if they do not have enough nutrients?	(2 marks) (2 marks) (2½ marks)