



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)
University Examinations for 2015/2016 Academic Year

SCHOOL OF AGRICULTURE & NATURAL RESOURCES

DEPARTMENT OF AGRICULTURE

FIRST SEMESTER EXAMINATION FOR DEGREE IN BACHELOR OF SCIENCE IN
(AGRIBUSSINESS MANAGEMENT)

KBT 101: INTRODUCTIONS TO FOOD INDUSTRY

Date: 7/12/2015

Time: 8:30 – 10:30 AM

INSTRUCTIONS:

Answer Question One and Two Other Questions.

1. a) Explain FIVE factors influencing the food industry (10 marks)
- b) Name the wheat biochemical component that give its product the unique characteristic structure and also explain 2 ways how the structure is attained (5 marks)
- c) Explain 5 key concerns in the current trends of food consumption in the global perspective (15 marks)
2. a) Explain 6 concerns an agribusiness advisor would discuss with an entrepreneur raising a legume industry business plan. (12 marks)
- b) i) Explain the ripening behaviour of different fruits and how a trader may require to handle them for a successful fruit export business.
- ii) Give an example of each of the type of fruits (8 marks)
3. a) Outline the Comprehensive Africa Agriculture Development Program (CAADP) pillars and their corresponding thematic areas in the Agriculture Sector Development Strategy(ASDS) (10 marks)
- b) Briefly explain how five of these thematic areas affect the food industry (10 marks)

4. a) List five reasons a consultant on agritrade in the food industry would give for
- i) Food processing (5 marks)
 - ii) One technique used under each of the reasons and the beneficially of the whole process (10 marks)
- b) i) Explain the concept of hurdle effect concept in food preservation
- ii) Give an example of a food with a hurdle effect concept and 2 hurdles employed (5 marks)
5. a) Aflatoxin is a major drawback in the cereal and food industry as whole. Explain four reasons why (8 marks)
- b) Describe 3 special biochemical attributes of eggs in food formulation (6 marks)
- c) Briefly explain the three foods attributes of concern by the consumer in the food industry. (6 marks)