



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2014/2015 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
BACHELOR OF SCIENCE IN ENVIRONMENTAL
STUDIES (BIOLOGY AND HEALTH)**

**COURSE CODE: EBH 3117
COURSE TITLE: ENVIRONMENT, HEALTH,
FOOD AND NUTRITION**

DATE: 7TH DECEMBER 2018

TIME: 1430 – 1630HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section A and any other **THREE** in section B.

This paper consists of 2 printed pages. Please turn over

SECTION A: (25 marks): Answer ALL questions in section A

Qn 1. List down five effects of chemical fertilizer **(5marks)**

Qn 2. Briefly discuss methods used to ensure effective & efficient health food supply **(5marks)**

Qn. 3. Explain disadvantages of mono cropping **(5marks)**

Qn. 4. Briefly discuss the effect of iron deficiency in human health **(5marks)**

Qn.5. list down classification of essential trace elements according to WHO **(5marks)**

SECTION B: (45 marks): Answer any other THREE in section B.

Qn. 6. a) Discuss on the advantages of both food preservative and food additives **(12 Marks)**

b). Differentiate between direct and indirect food additives giving three examples of each **(3 Marks)**

Qn.7. a).Discuss on the factors that may lead to contamination of food produce during irrigation **(12marks)**

b). list some of the commonly used irrigation systems in farming **(3marks)**

Qn . 8. Discuss health effects associated with exposure to chemical residual and toxins **(15marks)**

Qn.9 Discuss some of the contaminants that can affect the quality of food **(15marks)**

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