



MAASAI MARA UNIVERSITY

**SPECIAL/RESIT UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCE TOURISM
AND HOSPITALITY**

**BACHELOR OF ENVIRONMENTAL STUDIES
(BIOLOGY AND HEALTH)**

COURSE CODE: EBH 3117

**COURSE TITLE: ENVIRONMENT, HEALTH,
FOOD AND NUTRITION**

DATE: 4TH APRIL, 2022

TIME: 1430-1630

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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