

**THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
ADVANCED CERTIFICATE OF SECONDARY EDUCATION
EXAMINATION**

155/2

FOOD AND HUMAN NUTRITION 2

(For Both School and Private Candidates)

Time : 3 Hours

Year: 2009

Instructions

1. This paper consists of sections **A** and **B**.
2. Answer all questions in section **A** and only **two (2)** question from section **B**.
3. Non-programmable calculators may be used.
4. Communication devices and any unauthorised materials are **not** allowed in the examination room.
5. Write your **Examination Number** on every page of your answer booklet(s).

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SECTION A (60 Marks)

Answer all questions in this section

1. Define food quality control and explain four activities used in maintaining food quality during processing.
2. Describe six health practices that should be promoted when providing nutrition education to caregivers of malnourished children.
3. Outline four intrinsic factors that affect the growth of microorganisms in foods and explain their effects.
4. Explain five roles of nutrition education programmes in preventing non-communicable diseases.
5. Identify six signs and symptoms of marasmus in under-five children.
6. Discuss five problems facing catering establishments in urban centres.

SECTION B (40 Marks)

Answer only two questions from this section

7. “Nutrition problems require multisectoral solutions.” Critically analyse the role of the health, agriculture, and education sectors in reducing malnutrition.
8. Discuss six practical solutions to challenges facing breastfeeding in working mothers.
9. Evaluate the significance of quality assurance systems in food processing industries, giving six points.
10. Examine the importance of resource control in catering operations and propose six methods of effective resource utilization.