

**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: 2003

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 nutrition education and give three roles of nutrition education in society.
2. Explain five conditions which support the growth and multiplication of bacteria.
3. List two groups of menus and describe three types of common restaurant menus.
4. Define the term “standard recipe” and explain five items to be included in it.
5. Identify six features of successful nutrition intervention programmes.
6. Differentiate between active and passive immunization, and state four benefits of vaccines.

SECTION B (40 Marks)

Answer only two questions from this section

7. Using the conceptual framework of malnutrition, analyse immediate, underlying and basic causes of undernutrition among children under five.
8. Identify and explain six factors to be considered by District Nutrition Programme Practitioners to ensure successful community nutrition programmes.
9. Discuss seven reasons for controlling resources in catering industry and mention two techniques of resource control.
10. Support the statement “Requirements for growth of microorganisms are identical whether harmful or beneficial” by classifying microorganisms and describing four extrinsic factors influencing their growth.