THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATION COUNCIL

DIPLOMA IN TECHNICAL EDUCATION EXAMINATION

783 **BUILDING CONSTRUCTION**

Time: 3 Hour. **Tuesday, 15th May 2011 a.m**

Instructions

1. This paper consists of sections **five (5)** questions.
2. Answer all questions.
3. Each question carries **twenty (20)** marks.
4. Non-programmable calculators may be used.
5. Communication devices and any unauthorized materials are **not** allowed in the examination room
6. Write your **Examination Number** on every page of your answer booklet.

1. (a) State three functions of floor finishes in a residential building.

   (b) Explain three factors to consider when selecting floor finishing materials.

   (c) Mention three problems that may arise from poorly installed floor finishes.

2. (a) Describe the purpose of a building specification in construction projects.

   (b) Identify three types of building specifications commonly used.

   (c) Explain three reasons why specifications must be followed during execution of works.

3. (a) Define the term “moisture movement” and explain its effect on building materials.

   (b) State three ways of controlling moisture movement in a building structure.

   (c) Mention three building components that are commonly affected by moisture-related problems.

4. (a) Explain the term "preliminary work" as used in building construction.

   (b) List four examples of preliminary works carried out before main construction begins.

   (c) Describe three consequences of omitting or rushing preliminary works on a building site.

5. (a) Define the term “construction contract” and state its purpose in a building project.

   (b) Mention four essential elements of a valid construction contract.

   (c) Explain three risks of working on site without a signed contract agreement.