THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATION COUNCIL

DIPLOMA IN TECHNICAL EDUCATION EXAMINATION

783 **BUILDING CONSTRUCTION**

Time: 3 Hour. **Tuesday, 15th May 2012 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) Define the term "construction safety" and give two reasons why it is important on site.

   (b) State four common causes of accidents on construction sites.

   (c) Mention three measures that can be taken to reduce site accidents.

2. (a) Explain the purpose of a schedule of materials in construction planning.

   (b) List four types of information included in a typical schedule of materials.

   (c) Describe three consequences of not preparing a proper material schedule before starting construction.

3. (a) Define the term "contractor" and explain the role of a main contractor in a building project.

   (b) Mention three types of contractors commonly found in construction.

   (c) Explain three factors to consider when selecting a contractor for a project.

4. (a) State three reasons why temporary structures such as site offices and stores are important during construction.

   (b) Describe three types of temporary structures commonly erected on building sites.

   (c) Mention three problems that may arise from poor planning of temporary facilities on site.

5. (a) What is a construction progress report? Give two reasons why it is necessary in project management.

   (b) List four key elements that should be included in a good progress report.

   (c) Explain three problems that may result from poor or inaccurate reporting during a construction project.