THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATION COUNCIL

DIPLOMA IN TECHNICAL EDUCATION EXAMINATION

783 **BUILDING CONSTRUCTION**

Time: 3 Hour. **Tuesday, 11th May 2004 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 delay” and state two common types of delay.

   (b) (i) Mention three causes of delays originating from the contractor.

   (ii) Give two effects of construction delays on project stakeholders.

   (c) Explain three strategies that can be used to minimize or manage delays on a construction site.

2. (a) What is a method statement in building construction?

   (b) (i) State four contents of a typical method statement.

   (ii) Explain the importance of using method statements during execution of site works.

   (c) Identify three site activities that require the use of formal method statements.

3. (a) Define the term “sustainability” in construction.

   (b) (i) State three principles of sustainable construction.

   (ii) Mention two ways in which building materials can be made more sustainable.

   (c) Describe three environmental impacts of unsustainable construction practices.

4. (a) What is quality assurance (QA) in building construction?

   (b) (i) List three differences between quality assurance and quality control.

   (ii) State two components of a quality assurance plan.

   (c) Explain three benefits of implementing quality assurance systems on site.

5. (a) Define professional ethics in the context of construction practice.

   (b) (i) List four ethical responsibilities of a construction supervisor.

   (ii) Give two consequences of unethical behavior in construction management.

   (c) Describe three measures that can be taken to promote ethical conduct among construction workers.