THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN TECHNICAL EDUCATION EXAMINATION

784 BRICKWORK AND MASONRY

(SUPPLEMENTARY)

Time: 3 Hours **Year: 2004**

Instructions

1. This paper consists of sections **six (6)** questions.
2. Answer question number **one (1)** and any other **four (4)** questions.
3. Question 1 carries **thirty-two (32)** marks and the rest carries **seventeen (17)** marks each.
4. Non-programmable calculators may be used.
5. Cellular phones are **not** allowed in the examination room.
6. Write your **Examination Number** on every page of your answer booklet(s).

1. (a) Define the term “retaining wall”.

   (b) Mention three types of retaining walls.

   (c) Explain the construction procedure of a gravity retaining wall.

2. (a) What is meant by the term “plinth in buildings”?

   (b) State two functions of a plinth.

3. (a) Define “bond stone” in masonry.

   (b) State three functions of bond stones.

   (c) Explain the correct positioning of bond stones.

4. (a) List four defects in stone masonry.

   (b) Explain their causes.

5. (a) What is meant by “string course”?

   (i) State two purposes of string courses.

   (ii) With a sketch, describe its construction.

6. (a) Differentiate between stretcher bond and header bond.

   (b) State one situation where stretcher bond is preferred.