



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

**IN
CIVIL ENGINEERING**

MODULE: Civil Engineering and Site Administration PAPER NO:313/22/M08

DURATION: 3 Hours

NOVEMBER/DECEMBER 2025 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

- 1. Answer all five questions.**
- 2. Start each question on a fresh page.**

QUESTION 1

- a) Describe the processes in detail through which water is treated at the water treatment plant. (20marks)

QUESTION 2

- a) Discuss any three (3) methods of setting out. (6marks)
- b) Outline the process through which setting out is conducted and its importance in the construction Industry. (14marks)

QUESTION 3

- a) Show your understanding on why compaction test is conducted explaining the reasons. (7marks)
- b) Discuss the importance of testing plants and equipment before construction commences. (13marks)

QUESTION 4

- a) Simulate various types and disposal methods of municipal solid waste. (10marks)
- b) Discuss factors that affect water supply. (10marks)

QUESTION 5

- a) Discuss process of establishing site office. (20marks)

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