



ZIMBABWE

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

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL DIPLOMA

IN

ENVIRONMENTAL HEALTH

MODULE: Building Practice

PAPER NO: 605/23/M03

DURATION: 3 Hours

NOVEMBER/ DECEMBER 2025 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

- 1. Answer any five (5) questions.**
- 2. Do not write your name on the answer booklet.**

QUESTION 1

- a) List four (4) tools that can be used during the construction of a septic tank. (4 marks)
- b) Identify and explain eight (8) major factors that influence the choice of building site. (16 marks)

QUESTION 2

- a) What is setting out in building construction? (2 marks)
- b) Explain the setting out procedure. (18 marks)

QUESTION 3

- a) A large commercial building project requires load- bearing walls. Explain why a builder might choose English bond over other types of brick bonding. (10 marks)
- b) State and explain five (5) major significances of having a foundation for a building. (10 marks)

QUESTION 4

- a) Draw diagrams to show the symbols for the following as used in building plans:
 - i) Door (1 mark)
 - ii) Window (1 mark)
 - iii) Brick (1 mark)
 - iv) Toilet (1 mark)
 - v) Sink (1 mark)
 - vi) Shower (1 mark)
- b) Discuss the structural and hygiene requirements that an environmental health technician should check before approving a building plan. (14 marks)

QUESTION 5

- a) State any four (4) types of roofs common in Zimbabwe. (4 marks)
- b) Highlight and briefly explain eight (8) factors that may influence the type of roof for a building. (16 marks)

QUESTION 6

- a) List four (4) main types of plastering. (4 marks)
- b) Discuss any six (6) implications of poor plastering of a building on public health. (12 marks)
- c) Outline four (4) methods of rodent proofing a newly constructed building. (4 marks)

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