



ZIMBABWE SCHOOL EXAMINATIONS COUNCIL
General Certificate of Education Ordinary Level

BUILDING TECHNOLOGY & DESIGN

4052/3

PAPER 3 Design Project

NOVEMBER 2020 SESSION

No additional materials required.

1.0 INSTRUCTIONS TO CANDIDATES

- 1.1 Attempt **one** situation only.
- 1.2 Produce a detailed Design Folio following the development of the design process from the situation through to the **work plans**. The final part of the folio should include an evaluation of a scaled model of the chosen solution.
- 1.3 All initial developments and design work must be recorded in the Design Folio or Log Book, together with the finalised scaled drawing including critical evaluation of the processes. The folio must be an **A3 size** presented in such a way that **all** work can easily be followed during assessment.
- 1.4 The scaled model of the design should be constructed from suitable materials to enable it to be handled without breaking.
- 1.5 Use the catalogue provided for window and door frame specifications.

2.0 INSTRUCTIONS TO TEACHERS

- 2.1 Teachers should refer to the section of the syllabus explaining the **DESIGN COURSEWORK PROJECT** and to the notes for guidance.
- 2.2 Projects must be completed by the end of **Second Term of Form Four**.

NB: Examination projects and design folios should **only** be released to candidates 42 days **after** the release of results.

This question paper consists of 2 printed pages and 2 blank pages.

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Situation 1

- 1 A newly established rural secondary school intends to upgrade itself to a boarding school. The School Head approaches you to design a suitable dining hall for the school with an enrolment of **215** learners. The dining hall must include a feeding area, scullery, pantry and a kitchen among other things.

Design the dining hall.

100 marks

Situation 2

- 2 A caretaker of a new school in a resettlement area operates from a storeroom as his residential unit. The School Development Committee (SDC) chairperson approaches you to design a decent residential house for the caretaker, his wife and their **two** girls. The school has a well functioning water system.

Design the house.

100 marks

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