



Cambridge International AS & A Level

CANDIDATE
NAME

CENTRE
NUMBER

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INFORMATION TECHNOLOGY

9626/32

Paper 3 Advanced Theory

October/November 2021

1 hour 45 minutes

You must answer on the question paper.

No additional materials are needed.

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- You may use an HB pencil for any diagrams, graphs or rough working.
- Calculators must **not** be used in this paper.

INFORMATION

- The total mark for this paper is 90.
- The number of marks for each question or part question is shown in brackets [].

This document has **16** pages. Any blank pages are indicated.

1 Designers often use computer-aided design (CAD). Fig. 1.1 shows the design of a room.

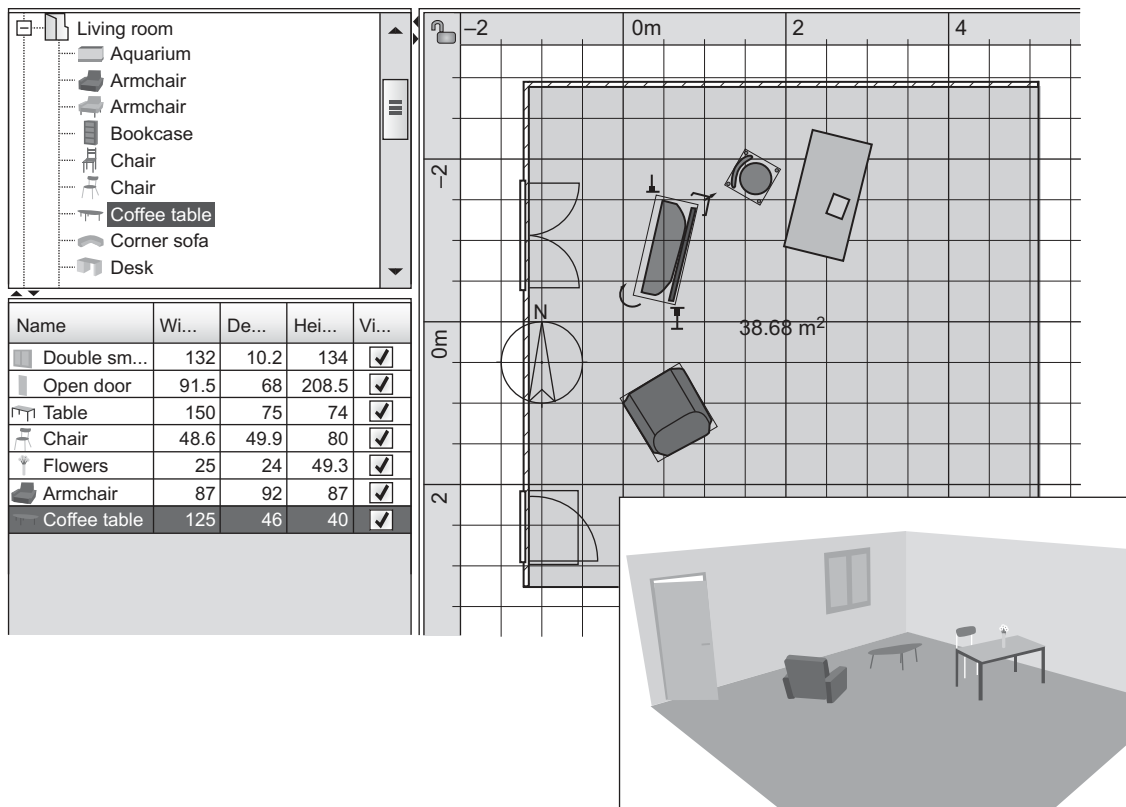


Fig. 1.1

Describe how the features of CAD software can be used to design the room.

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..... [8]

2 When beta testing a new software application, the tester found an error and created a report about the error.

Describe the items of information, including those related to the test plan, that should be included in the report.

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3 JavaScript is a programming language used within HTML on web pages.

Explain why it is considered good practice when coding in JavaScript to:

(a) place all declarations at the start of each script or function

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..... [2]

(b) initialise variables when first declared

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..... [2]

(c) avoid using `eval()` to run a string as code

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..... [1]

(d) always declare local variables.

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..... [1]

(c) The global positioning system (GPS) can be used by satnavs in vehicles and by the military.

Describe **three other** ways that GPS may be used.

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..... [3]

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