



Cambridge International AS & A Level

CANDIDATE
NAME

CENTRE
NUMBER

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CANDIDATE
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INFORMATION TECHNOLOGY

9626/32

Paper 3 Advanced Theory

February/March 2022

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 70.
- The number of marks for each question or part question is shown in brackets [].

This document has **12** pages. Any blank pages are indicated.

- (b) Stereotyping is having a set idea of what a person or group of people is like even though that idea may be wrong.

Describe ways in which the use of social networking may lead to the stereotyping of individuals.

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..... [2]

- (c) Many businesses now use social networking for marketing their products.

Justify the use of social networking by businesses for marketing products.

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..... [6]

6 Microwave transmission is used to send data between devices at different locations.

(a) Explain how microwaves are used to transmit data between devices.

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..... [3]

(b) Describe **four** ways that microwave transmission is used in communication systems.

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..... [4]

7 The `prompt()` method is used in JavaScript to provide a popup dialog box for users to interact with web pages.

(a) Explain how the result of the user interaction from `prompt()` is used by a programmer to collect the input from a user.

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[4]

(b) Explain **two** limitations of using the `prompt()` method of user interaction.

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[2]

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