

CANDIDATE
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INFORMATION TECHNOLOGY

9626/03

Paper 3 Advanced Theory

For Examination from 2017

SPECIMEN PAPER

1 hour 45 minutes

Candidates answer on the Question Paper.

No Additional Materials are required.

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces at the top of this page.

Write in dark blue or black pen.

You may use an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Calculators must **not** be used on this paper.

Answer **all** questions.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

Any businesses described in this paper are entirely fictitious.

This document consists of **15** printed pages and **1** blank page.



1 A television station makes its programmes in studios on the ground and transmits them via satellites to receivers in viewers' homes.

(a) Describe how a programme is transmitted from the station's studio to a viewer's satellite receiver.

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..... [4]

(b) Explain **two** advantages to the viewer of using satellites to receive television programmes.

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2

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..... [2]

(c) Explain **two** disadvantages to the viewer of using satellites to receive television programmes.

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2

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..... [2]

5 In computer programming, explain what is meant by the following terms.

(a) variable

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..... [2]

(b) iteration

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..... [2]

(c) loop

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..... [2]

8 Shafiq has just logged on to a secure website.

(a) Describe how he knows that the website is secure.

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..... [2]

(b) Describe the steps that the web browser will go through to ensure that Shafiq has logged on to a secure website.

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