



Cambridge International AS & A Level

CANDIDATE
NAME

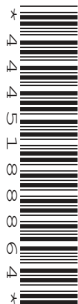
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CENTRE
NUMBER

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CANDIDATE
NUMBER

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INFORMATION TECHNOLOGY

9626/13

Paper 1 Theory

May/June 2020

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. Blank pages are indicated.

2 (a) Tick the most accurate statement referring to video files.

	✓
It is only possible to export a video file using the file format it has been created in	
Video files are often stored in jpeg format	
It is possible to convert a video file into a gif format	
It is not possible to insert a still image into a video file	

[1]

(b) Tick the most accurate statement referring to the use of features of video editing software.

	✓
It is not possible to alter the speed of a video once it has been saved	
Trimming a video clip is achieved by removing unwanted footage	
It is not possible to add sound to a video once the video is finished	
An aspect ratio is the number of frames in a section of a video compared to the total number of frames	

[1]

8 The North Indonesian Motor Company makes cars in the city of Jakarta. It has a large factory producing the components, for the cars in the city of Surabaya. Dian is the director of communications in Jakarta. He has been asked by the other directors to set up a video-conference so that they can communicate with the directors based at Surabaya.

The directors in both cities currently use computers in a LAN to carry out their work.

(a) Give reasons why the current arrangement of computers would not enable Dian to set up a video-conference and explain how he would overcome this problem.

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..... [2]

(b) Describe how codecs would be used in the transmission of data within a video-conference.

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..... [4]

