

CANDIDATE  
NAME

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CENTRE  
NUMBER

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CANDIDATE  
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**INFORMATION TECHNOLOGY**

**9626/32**

Paper 3 Advanced Theory

**October/November 2018**

**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, graphs or rough working.

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

**DO NOT WRITE IN ANY BARCODES.**

Answer **all** questions.

**Calculators are not allowed to be used on this paper.**

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 **16** printed pages.













- 5 Quintin is a programmer who writes code in HTML and JavaScript for use in online forms. The code is developed and 'white-box' tested before being used.

Quintin is developing the code below. He has added comments to the code. The code asks a user to input two numbers and adds the numbers together. It also displays the total and whether or not it is greater than 10.

```
<html>
<body>

<!-- the next six lines collect the two numbers to be added-->

<br/>Enter first number:
<input type="number" id="nm1" name="num1">
<br/><br/>Enter second number:
<input type="number" id="nm2" name="num2">
<p id="add"></p>

<script>
  function myaddfunction() {
//the next line assigns the first number input to the variable y
    var y = document.getElementById("nm1").value;
//the next line assigns the second number input to the variable z
    var z = document.getElementById("nm2").value;
//the next line adds the two numbers and assigns the result to the variable x
    var x = +y + +z;
//the next line checks if x is greater or not greater than 10 and reports
accordingly
    var A = (x >10) ? x+ " is greater than 10":x+ " is not greater
than 10";
//the next line prints the results onto the page
document.getElementById("add").innerHTML = A ;
  }
</script>
<!-- the next two lines asks the user to click the button and then the script
is executed
<p>Click the button to calculate the total.</p>
<button onclick="myaddfunction()">Add the numbers</button>
<br/>
  </body>
</html>
```











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..... [8]

8 Evaluate the use of the infra-red method of data transmission in wireless communications.

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9 A software development company uses throw away prototyping to develop parts of a new system.

(a) Give **one** reason why the company would use throw away prototyping.

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.....[1]

(b) Describe **two** drawbacks to the company of using throw away prototyping.

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.....[2]



