Digital Technologies

Read the instructions on the ANSWER SHEET and fill in your NAME, SCHOOL and OTHER INFORMATION.
Use a pencil. Do NOT use a coloured pencil or a pen.
Rub out any mistakes completely.

You MUST record your answers on the ANSWER SHEET.

Mark only ONE answer for each question.
Your score will be the number of correct answers.
Marks are NOT deducted for incorrect answers.

Use the information provided to choose the BEST answer from the four possible options.
On your ANSWER SHEET fill in the oval that matches your answer.
1. Ava created a spreadsheet in order to track her school supply expenses.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Item name</td>
<td>No of items</td>
<td>Cost per item</td>
</tr>
<tr>
<td>2</td>
<td>Notebooks</td>
<td>4</td>
<td>$1.50</td>
</tr>
<tr>
<td>3</td>
<td>Pens</td>
<td>3</td>
<td>$1.00</td>
</tr>
<tr>
<td>4</td>
<td>Pencil case</td>
<td>1</td>
<td>$3.00</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>TOTAL COST</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Mean cost per item</td>
<td></td>
</tr>
</tbody>
</table>

Cell D6 contains the total amount of money that Ava spent on her school supplies. What formula was used in cell D6 to calculate the TOTAL COST?

(A) =SUM(D2:D4) (B) =SUM(C2:C4) (C) =SUM(B2:B4) (D) =SUM(B2:D4)
2. Rani wanted to use this photo as the background to the text in a word processing document.

![Photo 1](image1)

She opened the Format Picture dialogue box.

![Photo 2](image2)

We started our journey just after sunrise.

Which setting from the ‘Color’ menu in Image control should Rani select so that the text can be read over the picture, as shown in Photo 2?

(A) Automatic  (B) Grayscale  (C) Black & White  (D) Washout
3. Finn is creating a web page for a class project. These screenshots show Finn’s source code and web page.

```
<html>
<head>
<title> First Web Page </title>
</head>
<body style="background: lightyellow">
<p> My First Web Page </p>
<p> This is my first web page. I have had a <em> really </em> good time creating my first page. </p>
<p> My teacher said: <strong style="color: purple">CONGRATULATIONS! </strong> </p>
</body>
</html>
```

Why did Finn use the <em> command in the code?

(A) to move the text  
(B) to indent the text  
(C) to hyperlink the text  
(D) to emphasise the text

4. Mia created this flow chart to help her develop a simple program for Mathematics.

X, T and N are variable names used to store numbers.

Which symbol on the flow chart below represents a decision?

[Flow chart image with options (A), (B), (C), (D)]
5. Lily created an animation to use as a logo for a website.

Lily formatted the animation with a transparent background to prevent the webpage colour being obscured.

Which part of the animation frame represents the transparent areas?

(A) all the checked areas
(B) the outline of the guitar
(C) the checked areas inside the outline of the guitar
(D) the checked areas outside the outline of the guitar

END OF PAPER
Today’s date:

Are you male or female?

Does anyone in your home usually speak a language other than English?

School name:

Town / suburb:

Today’s date: ____ / ____ / ____  Postcode: _______
TO ANSWER THE QUESTIONS

Example:
Using a computer to type a report is an example of
(A) emailing.
(B) a calculation.
(C) word processing.
(D) a computer game.

The answer is word processing, so you would fill in the oval C, as shown.

USE A PENCIL
DO NOT USE A COLOURED PENCIL OR PEN

START

1  
2  
3  
4  
5  

For details on how we handle your personal information, please see our Privacy Policy on our website at unswglobal.unsw.edu.au
<table>
<thead>
<tr>
<th>QUESTION</th>
<th>KEY</th>
<th>DESCRIPTION OF SKILL</th>
<th>AREA</th>
<th>LEVEL OF DIFFICULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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</tr>
<tr>
<td>2</td>
<td>D</td>
<td>Understand the use of the ‘washout’ colour setting</td>
<td>3</td>
<td>Medium</td>
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<tr>
<td>3</td>
<td>D</td>
<td>Understand the result of <code>&lt;em&gt;</code> code when designing websites.</td>
<td>4</td>
<td>Medium</td>
</tr>
<tr>
<td>4</td>
<td>D</td>
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<td>6</td>
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<tr>
<td>5</td>
<td>A</td>
<td>Understand the effect of a watermark on an animation cell</td>
<td>3</td>
<td>Hard</td>
</tr>
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**LEGEND**

Area refers to the particular curriculum area or strand assessed by the question.

1. General Skills
2. Word Processing
3. Graphics/Multimedia
4. Internet/Email
5. Spreadsheets/Databases
6. Programming/Scripting

Level of difficulty refers to the expected level of difficulty for the question.

- **Easy** more than 70% of candidates will choose the correct option
- **Medium** about 50–70% of candidates will choose the correct option
- **Medium/Hard** about 30–50% of candidates will choose the correct option
- **Hard** less than 30% of candidates will choose the correct option
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## THE FOLLOWING YEAR LEVELS SHOULD SIT THIS PAPER

<table>
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<th>Year/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Year 9</td>
</tr>
<tr>
<td>Brunei</td>
<td>Form 4</td>
</tr>
<tr>
<td>Egypt</td>
<td>Year 9</td>
</tr>
<tr>
<td>Hong Kong</td>
<td>Form 3</td>
</tr>
<tr>
<td>Indian Subcontinent²</td>
<td>Class 9</td>
</tr>
<tr>
<td>Indonesia</td>
<td>Year 10</td>
</tr>
<tr>
<td>Malaysia</td>
<td>Form 3</td>
</tr>
<tr>
<td>Middle East³</td>
<td>Class 9</td>
</tr>
<tr>
<td>New Zealand/ Pacific⁴</td>
<td>Year 10</td>
</tr>
<tr>
<td>Singapore</td>
<td>Secondary 2</td>
</tr>
<tr>
<td>Southern Africa⁵</td>
<td>Grade 9</td>
</tr>
</tbody>
</table>

1. All international schools registered with UNSW Global (which have an 8-digit school code starting with 46) should sit the papers according to the Australian year levels.
2. Indian Subcontinent Region: India, Sri Lanka, Nepal, Bhutan and Bangladesh.
3. Middle East Region: United Arab Emirates, Qatar, Kuwait, Saudi Arabia, Bahrain, Oman, Turkey, Lebanon, Tunisia, Morocco, Libya, Algeria, Jordan, and Pakistan.