Digi-Navigators

Sample

Examination Paper

Part A (Theoretical)

Candidate name:

Centre name:

Candidate instructions

- Write your name and the name of your centre above.
- The total examination time is 90 minutes:
    - o **45 minutes for Part A (Theoretical)**
    - o 45 minutes for Part B (Practical)
- Your teacher will tell you if you are completing the Theoretical and Practical questions at this time (Part A and B), just the Theoretical questions (Part A) or just the Practical questions (Part B).
- Complete all of the questions you are given.
- Write all of your answers to Part A in this booklet. Write these answers in pen.

Ask your teacher if you are not sure what to do.

For teacher's use only

NCC Education Student ID:	

Part A: Understanding Computing (50 marks)

Circle ONE (1) correct answer from A, B, C or D for each question
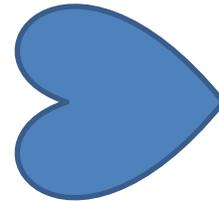
Question 1

Look at the image below, what tool has been used to change the direction from example 1 to example 2?

Example 1   Example 2

A	Rotate Left 90º	**B**	Flip Horizontal
C	Flip Vertical	**D**	Send Backward

4 marks

Question 2

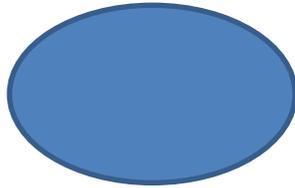Which of the following method would you use first when creating a 3D model animation?

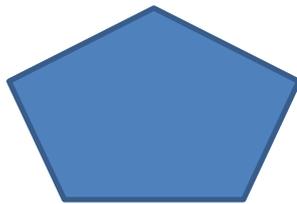|			
A	Layout	**B**	Animation
C	Modelling	**D**	Rendering

4 marks

Question 3

Which of these shapes is an example of a triangle?

A
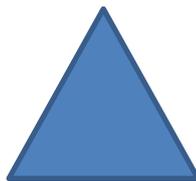
B

C

D

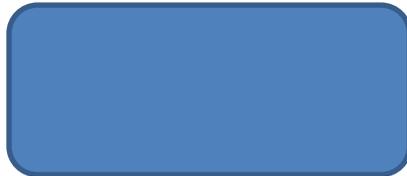**4 marks**

Question 4

Which tool would you use to make two video clips into one video clip?

A   Merge   **B**   Trim

C   Split   **D**   Cut

4 marks

Question 5

Which of the following communication methods would be the most suitable to a business to share information with all staff immediately?

A   Company magazine   **B**   Intranet announcement

C   Instant Message   **D**   Blog

4 marks

Question 6

Which of the following formulas would you use to test if the value in one cell is more than 0?

A   =sum(A1>B1)   **B**   =sum(A1+B1)

C   =if(A1<0)   **D**   =if(A1>0)

4 marks

Question 7
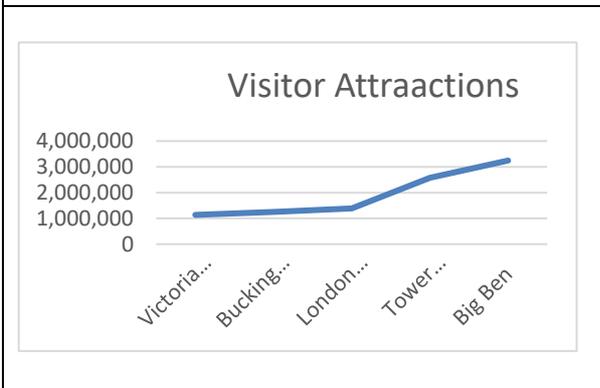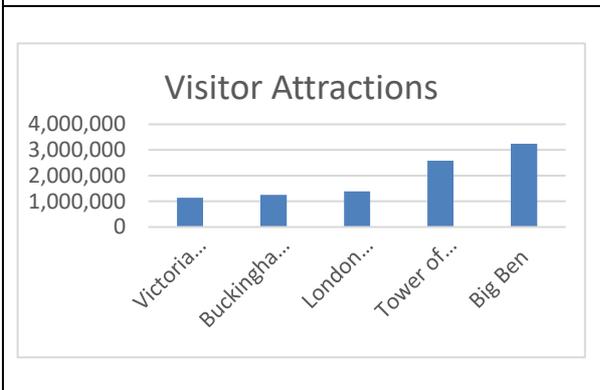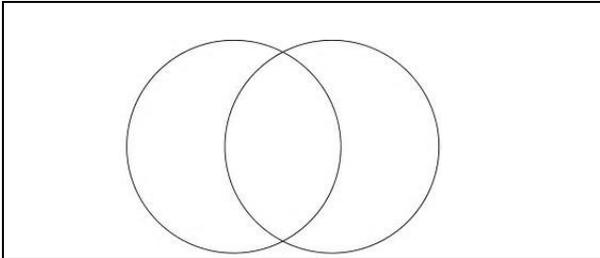
You have been asked to help plan a network. Which speed cable would be the best?

A   gigabit   **B**   500MHz

C   600MHz   **D**   megabit

4 marks

Question 8

Match the name of the chart to the image.

Visitor Attractions (Pie Chart) 1,136,561 1,256,000 3,245,671 1,389,074 2,579,564 ■ Victoria Station   ■ Buckingham Palace ■ London Bridge   ■ Tower of London ■ Big Ben
Visitor Attractions (Bar Chart) 4,000,000 3,000,000 2,000,000 1,000,000 0 Victoria... Buckingha... London... Tower of... Big Ben
Visitor Attraactions (Line Graph) 4,000,000 3,000,000 2,000,000 1,000,000 0 Victoria... Bucking... London... Tower... Big Ben

A Bar Chart
B Venn Diagram
C Pie Chart
D Line Graph

4 marks

Question 9

The main technology used in home remote controls is which one of the following?

A ultrasonic   **B** infrared

C x-rays   **D** radio waves

4 marks
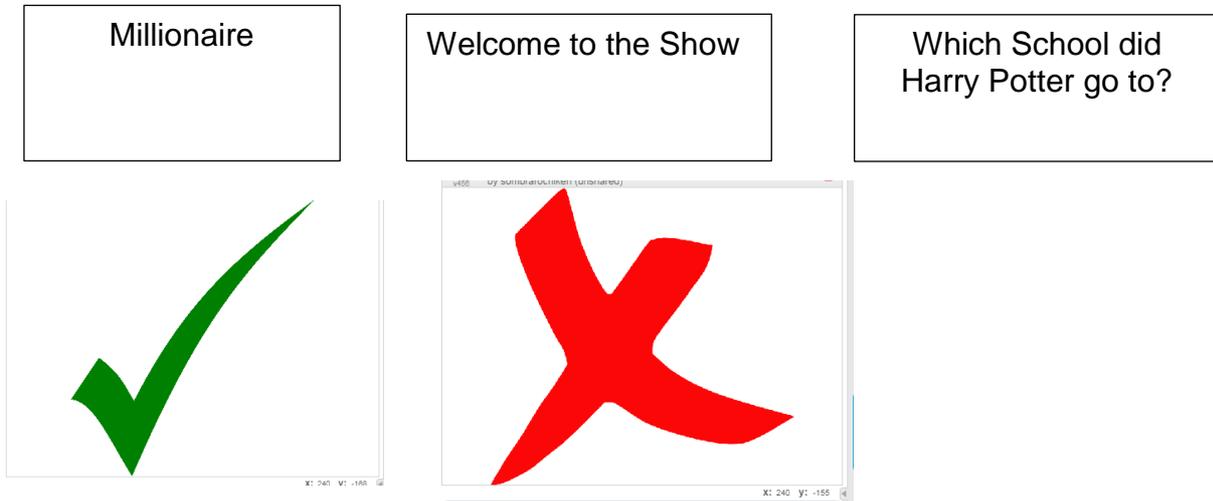
Question 10

A company wish to consolidate and manage customer information, which of the following software should be used?

A   MS Paint   B   DBMS
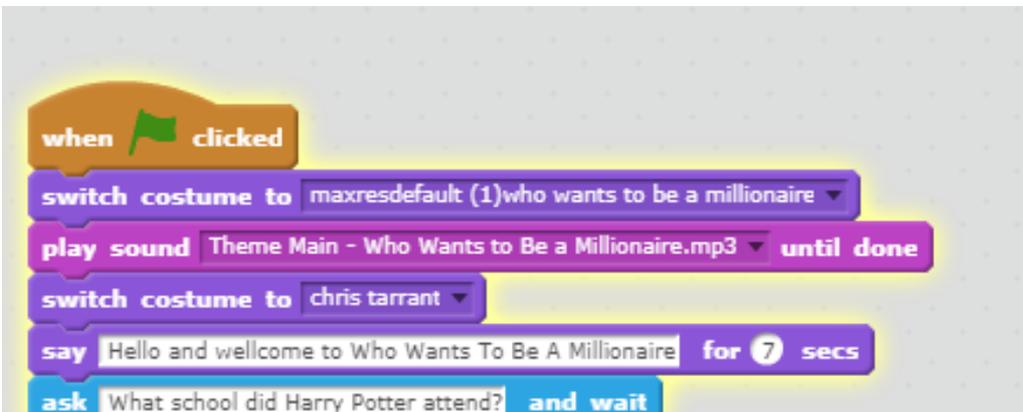C   Power Point   D   uTorrent

4 marks

Question 11

A student writes a program using Scratch to ask questions similar to "Who wants to be a Millionaire" quiz. They have provided the following screens.

Millionaire	Welcome to the Show	Which School did Harry Potter go to?

They have also provided you with some of the code. What is the most appropriate next step in the code?

A	switch costume to tick	B	switch costume to cross
C	wait for 7 secs	D	if answer = Hogwarts then

4 marks

Question 12

Which of the following is an example of a mesh network?
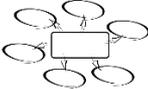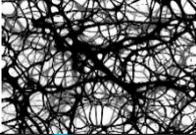
A	
B	
C	
D	

4 marks

Question 13

To send a message quickly, which of the following software would you use?

A.	B.

2 marks

Digi-Navigators

Summer 2019

Examination Paper

Part B (Practical)

Candidate name:

Centre name:

Candidate instructions

- Write your name and the name of your centre above.
- The total examination time is 90 minutes:
    - 45 minutes for Part A (Theoretical)
    - **45 minutes for Part B (Practical)**
- Your teacher will tell you if you are completing the Theoretical and Practical questions at this time (Part A and C), just the Theoretical questions (Part A) or just the Practical questions (Part B).
- Complete all of the questions you are given.
- Part B will be completed using a computer.
- Any computer-based work must be saved following your teacher's instructions.

Ask your teacher if you are not sure what to do.

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NCC Education Student ID:

Part B: Using Computers (50 marks)

Question 12

Use presentation software for this question

Create a short presentation about 3D Printing. The presentation should have THREE (3) pages with each having a different coloured background. The text on each page must be written using the font style "**Comic Sans MS**" with a colour which is distinctive from that of the page background.

- The first page should have a picture of a 3D printer and the title "3D printing". When you click on the picture of the 3D Printer, it should go to a website which gives details of what 3D printing is: https://en.wikipedia.org/wiki/3D_printing

- The presentation should move to a second page automatically after 5 seconds. This page should have a short video of the history of 3D Printing (no more than 2 minutes). When you click on this picture, it should play the video.

- The third page should contain TWO (2) key points about 3D printing.

- Save and show your work to your teacher when you have finished the presentation.

50 marks

End of Paper