



Digi-Trailblazers

Spring 2019

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:
 - 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 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	ı are not su	ire what to c	ot
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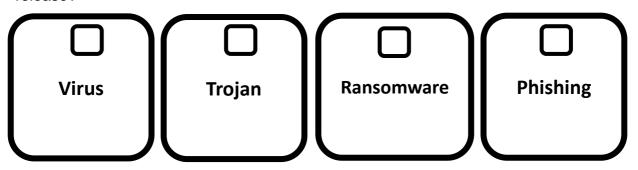
FOR	teacher's use only
NCC Education Student ID:	

Part A: Understanding Computing (50 marks)

Tick ONE (1) correct answer for each question

Question 1

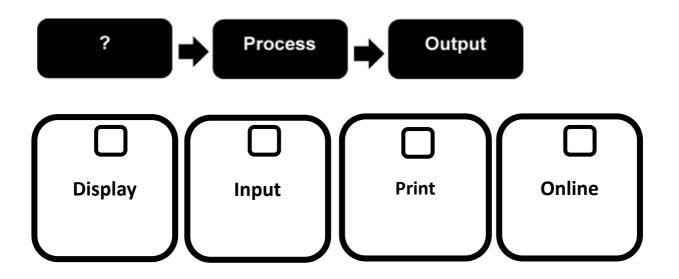
Which ONE (1) of the following is used to lock accounts and demand payment for release?



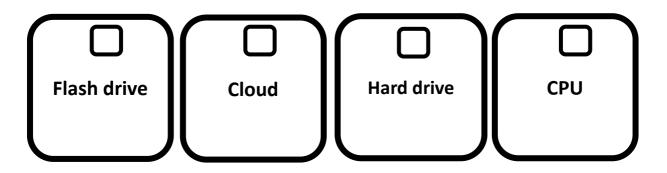
4 marks

Question 2

Which ONE (1) of the following is missing from the diagram below?



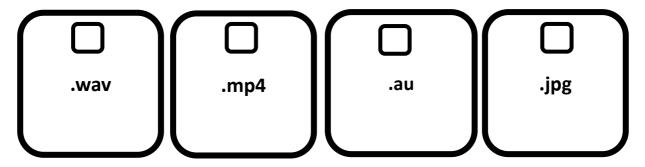
Which ONE (1) of the following is not a form of storage?



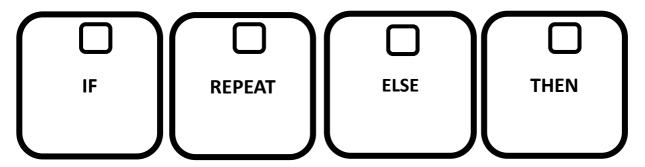
4 marks

Question 4

Which ONE (1) of the following is a video file?



Which ONE (1) of the following is a type of Loop used in programming?



4 marks

Question 6

Which ONE (1) of the following is **not** used as a way to collect data?

Questionnaire	Interview	Observation	Printing

Question 7			
Which ONE (1) of the fo	ollowing programming	commands is an op	erator?
Subtract (-)	For	Print	Variable
			4 marks
Question 8			
If you were a small bus you use to store financi		E (1) of the following	g applications would
Word processor	Presentation software	Image editor	Spreadsheet
			4 marks
Question 9			
Which ONE (1) of the for	ollowing uses a compu	ter system to operat	te?
			All use a

4 marks

Car

Washing

machine

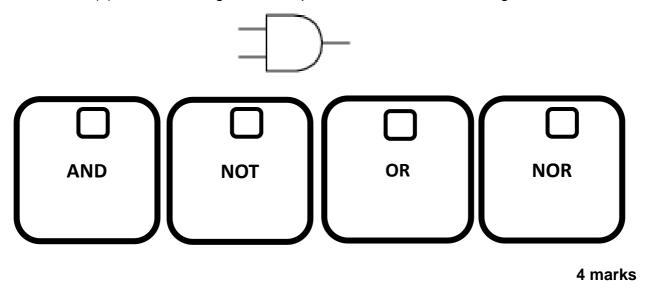
computer

system

Mobile

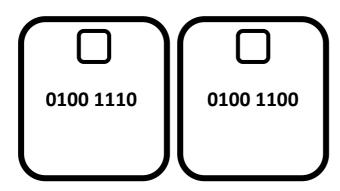
phone

Which ONE (1) of the following Boolean operators is shown in the image below?



Question 13

The ASCII number for the uppercase letter N is 78. Which ONE (1) represents the binary equivalent number?



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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 B), 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.

For	teac	her's	use	only	V
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NCC Education Student ID:	

Part B: Using Computers (50 marks)

Question 14

a) Imagine you are a party organiser for an entertainment company. The owner would like to see how many guests have attended each party over the first 6 months of this year. Use spreadsheet software to produce spreadsheet using the data below.

Guests attending: January: 502 February: 232 March: 843 April: 338 May: 646 June: 989

Choose a layout, font and colour scheme for your spreadsheet that you think the owner would like. Your spreadsheet must include a suitable title and formatting.

10 marks

b) Add ONE (1) suitable chart to the spreadsheet including a title, vertical and horizontal axis labels.

8 marks

c) Add a formula to calculate the total number of guests attending over the first six months.

2 marks

d) How can you test the accuracy of the spreadsheet?

2 marks

Source: Images from pixabay.com © 2019

Que	stion 15
a)	Design a questionnaire that allows you to find out the following information:
	 Mrs My first name is Alexandra My surname is Donald My date of birth is 12 July 1995 I am 23 years old
	Plan your design in the box below:
	5 marks
	other than the example data included in part a) above, state FIVE (5) OTHER pieces at a could be included in a questionnaire to find out more about the individual?
,	·
2	2
3	3
4	l
ţ	5
	5 marks

	types of errors that you might find in a program.	
	1 2	
	4 m	arks
b)	ougging during testing is key to the delivery of operational programs. State TV ways you can test your program is working correctly.	VO
	1	_
	2.	-
		-
	2	- narks
Qu	2	- narks
In a	24 m	

End of paper

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