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8.1.1 Memory



I can name the two types of memory in a computer system.





I can define the term memory.

APDCOSITOP



I can describe the differences between RAM & ROM.

Difference 1

Difference 2

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8.1.2 Storage



I can name the three categories of secondary storage.

1. _____ e.g. _____
2. _____ e.g. _____
3. _____ e.g. _____



I can define the term secondary storage.

N-VHWDISWNIU



I can identify the differences and similarities between memory and storage.

	RAM	Secondary Storage
Volatile		
Editable		
Holds data that is open/in use		
Holds data that is not in use		
Non-volatile		
Can be accessed by the CPU		
High capacity		

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8.1.3 Secondary Storage

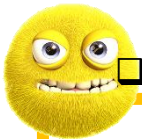


I can state the 6 characteristics of secondary storage



I can describe the HDD using each characteristic.


1. Cost – How much money a device is to buy.
2. _____
3. _____
4. _____
5. _____
6. _____



I can choose the most suitable storage device for given scenarios.

Apu has a handheld e-book reader that allows him to store and read electronic books.

Types of secondary storage devices are magnetic, optical or solid state.



(i) State which type of storage is most suitable for storing the electronic books inside the e-book reader.

..... [1]

(ii) Explain one reason why this type of storage is the most suitable.

.....

.....

.....

..... [2]

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8.2.1 Binary to Denary



I can convert simple 4 bit **binary** numbers into **denary** numbers independently.

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I can convert **binary** numbers to **denary** numbers.

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I can convert 8+ bit binary numbers to denary numbers.

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256																		

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8.2.2 Denary to binary



I can convert simple denary (0-15) numbers to binary numbers independently.

13

2

7

11



I can convert denary numbers to binary numbers.

75

138



I can convert denary (255+) numbers to binary numbers.

300

256							

407

256							

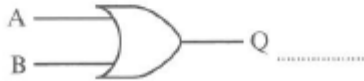
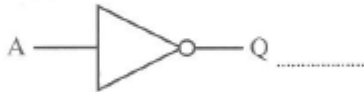
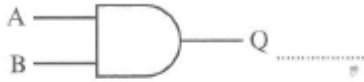
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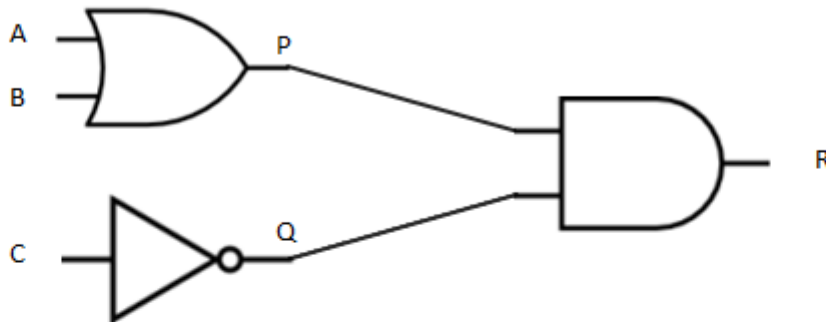
8.2.6 Logic Gates

1 Identify the following logic gates.



(3 marks)

Fill in the appropriate values in the truth table shown below for the following logic gate diagram.



A	B	C	P	Q	R
0	0	0			
0	0	1			
0	1	0			
0	1	1			
1	0	0			
1	0	1			
1	1	0			
1	1	1			