Module A.1 - Level 3 Answers

1. a. The electronic devices and component that provide the logic and computer processing

in the Simon game are the circuit board and lots of wires that connect the circuit board

and the batteries for the game to function properly.

b. When players press the different buttons, there are wires which sense the activity and

they connect to the circuit board which processes the information and give you the

results.

c. Electronic devices that provide output to players are the speaker, which provides sound

and different coloured light which provide sight.

1. The Simon game used a circuit controlled by a microprocessor. It used big batteries to provide power for all the light bulbs. Nowadays, people can reproduce this game by using LEDs and a microcontroller and it would run on smaller batteries compared to the ones used back then. People can also search up the game and people could download it onto devices.
2. a. The similarities between Simon and other classical games like the Nintendo DS are

that they are they are older games and that they both have lights and sound effects, as

well as they both being a handheld device. Another similarity is that they both have a

computer that runs as well as they both having challenges the player has to face.

b. The differences between Simon and other classical games like the Nintendo DS are

that they are the graphics and quality of the game. They also have multiple games that

can be played and there are additional features like a stylus and more.

1. a. The Simon game is similar to modern console games because they both have computers

running it and they both have lights and sound effects.

b. The Simon game is different to modern games from modern console games is that the

Simon game is more handheld and portable compare to the console systems which

have all the wires and they are just more heavier than the Simon game. It is also very

old compare to the game consoles and most consoles are played with controllers that

are to the console. The game consoles today have more games that players can play

compare to the two game options that are on Simon.