# Encircle the correct answer. /2

* 1. Which of the network devices are found in home?

|  |  |
| --- | --- |
| a) scannerEpson Perfection V600 Photo Scanner | Products | Epson US | b) multifunction machinesCanon Multifunction Copier Machines - Canon IR2630 Multi Function Copier  Retailer from Chennai |
| c) gaming consoleBuy MSI Claw A1M Handheld Gaming Console in Qatar - AlaneesQatar.Qa | d) tabletsThe 5 Best Tablets for 2024 | Reviews by Wirecutter |

* 1. A program written to cause damage to data and software is called

|  |  |
| --- | --- |
| a) backup | b) computer virus |
| c) services | d) world wide web |

* 1. The shown block means:

|  |  |
| --- | --- |
| a) changes the size of the sprite. | b) causes the sprite to wait or pause for a number of seconds. |
| c) moves a sprite up or down. | d) move forward. |

* 1. To get a result using the least amount of time or steps is called

|  |  |
| --- | --- |
| a) concise | b) algorithm |
| c) efficient | d) edit |

# Write (true) if the sentence is correct and (false) if it is not. /5

1. In scratch, reset means to return to the original state. \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. An algorithm is a set of instructions. The steps of algorithm must be in the right order.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A home network provides more services than a school network. \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Someone needs to make sure the network keeps running properly. \_\_\_\_\_\_\_\_\_\_\_
3. An e – reader is a device that can be a part of home network. \_\_\_\_\_\_\_\_\_\_\_\_\_

10) Hardware, such as printers, photocopiers and scanners cannot be shared on a

 network. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 11) Communication services are available in networks in homes and schools. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 12) Security measures are needed to protect a network from viruses. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 13) Gaming consoles are usually found in school network. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 14) Sharing files is not possible on a network. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Fill in the blanks with the help of the words given in the box. /2.5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Network | Smart devices | Efficient | Backup | expensive |

 15) The best algorithms are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This means they carry out a

 task using the least number of steps.

 16) Some homes may also have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ such as refrigerators,

 light bulbs and heaters.

 17) A broken \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ can stop users from accessing services.

 18) It is easy to make a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ copy of data and files.

 19) Keeping a network safe is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. **Write two services available on home and school network.**  **/2**

|  |  |
| --- | --- |
|  **Home network** |  **School network** |
|  |  |
|  |  |

 **V. Circle the devices that can be found in a school network. /2**



**VI. a.** **Pattern recognition. /1.5**

Judy is picking some flowers for her mom. Here is the algorithm for Judy to pick the flowers.

Are there any steps that can be combined to make Algorithm A shorter?

Copy and complete Algorithm B so that it does the same as Algorithm A.



 **b. This is the code for a tree to grow in the forest. /5**

 i. Identify and circle the blocks of code that are repeated.

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ii. Which blocks of code could replace the first two "Change size by 10" blocks in the

 program?



 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 iii. Which blocks of code could replace the last two "Change size by 20" blocks in the

 program?



 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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 iv. How many blocks are there in this program?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 v. How many blocks are there in the new program?



 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_