Activity 1

1. Match each of the terms listed below with the correct description in column A in the table. Move each term into the appropriate space provided in column B.

**NFC, Stylus, DSLR, ISO, GPS, Bluetooth, PDF, Pixels, RFID, OCR, QR**

|  |  |  |
| --- | --- | --- |
|  | **Column A: Description** | **Column B: Term** |
| a) | Small dot-like elements that make up an image |  |
| b) | A measurement or rating of how sensitive the camera sensor is to light |  |
| c) | A type of top-end digital camera |  |
| d) | Software used to convert scanned imaged into editable text |  |
| e) | A code that, when scanned, allows you to access a website without having to type in the URL |  |
| f) | A technology that uses radio waves to track tagged items in a POS system |  |
| g) | A technology that can be used for payment processing, by swiping a smartphone or smartwatch over a paypoint |  |
| h) | A type of pen used as an input device on a tablet computer |  |
| i) | A wireless technology used to connect input devices to a computing device |  |
| j) | A type of file which a scanner can create, often consisting of many pages, which can be opened and read using Adobe Reader |  |
| k) | A type of technology that mobile devices can make use of to determine the user’s geographical location (where they are) |  |

2. Determine whether each of the following statements is TRUE or FALSE. If the statement is TRUE, type the word TRUE after the question. If the statement is FALSE, then type the word FALSE and, next to it, the word(s) which should replace the underlined word(s) to make the statement TRUE.

a) We use digital zoom for better quality images on a digital camera because it uses lenses on the camera to ‘get closer’ to the object being photographed.

b) The resolution of a digital camera is measured in DPI.

c) High ISO settings allow you to take pictures in low light conditions without having to use a flash.

d) Flatbed scanners are often used in POS systems for speeding up the checkout process.

e) Voice matching and facial recognition are examples of biometric input.

f) The touch screen in a mobile device is a sensor used to detect which way around the device is being held.

3. Choose the correct answer (A – D) for each of the questions below. Use underlining, highlighting, or any other means of formatting to indicate your choice.

a) Which one of the following is not a common way of providing instructions to a computer or device?

A. Clicking the mouse

B. Using a gesture on a touch screen

C. Recharging the computer or device

D. Typing in a word to search for in *Word*

b) Which one of the following terms does not logically belong with the others?

A. DSLR

B. POS

C. MP

D. ISO

c) Which one of the following is not associated with the quality of output from a device?

A. PIN

B. MP

C. DPI

D. Resolution

d) Which one of the following scanning processes is not achieved or done by using a scanner?

A. Barcodes

B. Computer viruses

C. Photographs

D. Fingerprints

e) Which one of the following refers to the number of different colours that can be represented by a pixel?

A. Resolution

B. DPI

C. OCR

D. Colour Depth

f) Which one of the following devices is needed for an ATM to be able to communicate with your bank?

A. Modem/Router

B. Touch screen

C. Accelerometer

D. 3G

g) Which one of the following statements concerning barcodes and RFID (Radio Frequency Identification) tags is false?

A. They are both used to automatically ‘recognise’ a product or item

B. Barcodes store extra information magnetically

C. Barcodes need barcode scanners to scan the barcode

D. RFID tags store data on the tag or card which can be detected wirelessly

h) Which one of the following statements regarding the use of scanners in POS systems is false?

A. This system works much faster than typing in prices on a keyboard

B. They help a business to quickly determine trends in customers’ purchasing patterns

C. It allows the business to keep track of stock levels

D. They can increase the number of errors in the data capture process

i) Which one of the following is not an advantage of using a touch screen in a café or restaurant?

A. They allow employees to interact more naturally with payment systems

B. Employees do not need lots of training to use them

C. It is quicker for employees to type on an on-screen keyboard than on a physical keyboard

D. They save physical space in the café or restaurant

j) Which one of the following is not a typical use or reason to make use of sensors?

A. To monitor how far you walk in a day

B. To track how much electricity and water a household consumes

C. To collect and record temperature, wind and other weather conditions in remote locations

D. To monitor how much time you spend watching TV each day

k) Which one the following statements regarding the use of sensors is false?

A. Some sensors are designed to relay the data by wireless or satellite

B. Sensors allow data to be captured more accurately and faster than by using human input

C. Sensors never fail so the data they produce is always accurate

D. Only sensor-detectable data can be collected, which can be a problem if human observation is needed

l) What is the name of the popular ‘virtual assistant’ found on an Apple device?

A. Google Assistant

B. Siri

C. iPod

D. iTalk