infra.link

Information and Communication Technology

ict.infra.link

# 1A - Paper 1

Edition 1

Answer Booklet

For Paper 1

# Answers

## Question 1

Draw a straight line from each piece of hardware to their name.

|  |  |
| --- | --- |
| File:Facit E560 dot matrix printer.jpg | Dot Matrix Printer |
| KL Creative Labs Soundblaster Live Value CT4670 (cropped and transparent).png | Sound Card |
| File:Laser printer isometric.svg | Laser Printer |
| http://gaming.logitech.com/assets/47824/g700s-gaming-mouse-images.png | Mouse |
| https://upload.wikimedia.org/wikipedia/commons/e/e1/11127-45_HD3650_1GHM512MBDDR2_PCIE_C02.jpg | Graphics Card |

5 marks

## Question 2

Tick true or false for each statement

|  |  |  |
| --- | --- | --- |
|  | True | False |
| A dot matrix printer can print multiple copies at once | X |  |
| RAM can be used as non-volatile backing storage |  | X |
| The Internet is a form of WAN | X |  |
| Word processing software is a type of system software |  | X |

4 marks

## Question 3

Name each device

* 1. MICR

Magnetic Ink Character Reader

* 1. OMR

Optical Mark Recognition

* 1. OCR

Optical Character Recognition

* 1. RFID

Radio Frequency Identification

4 marks

## Question 4

An employee at the infra.link recruitment team wants to send out an email to everyone who has applied for the job.

Here is the database:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **First\_Name** | **Last\_Name** | **Email** | **DOB** | **Gender** | **NI** |
| Paul | Freeman | paul.freeman@ict.com | 1982/04/63 | M | AB345678I |
| Jordan | Bert | Jordanbert69@cheese.ie | 1973/05/02 | M | IN681294K |
| Kim | Lamb | kimmybaa@emails.link | 1982/07/19 | F | MO190138E |
| Anna | Bennett | annnnnnnna@igcse.net | 1985/05/04 | F | MI458353M |
| Leonard | Hans | leonard@comp500.org | 1990/02/25 | M | AL549971Y |

What data type would be suitable for each column?

|  |  |
| --- | --- |
| **Field Name** | **Data Type** |
| Last\_Name | Alphanumeric |
| Email | Alphanumeric |
| DOB | Date |
| Gender | Char/Tinyint/Alphanumeric |
| NI | Alphanumeric |

5 marks

Sound Card by Konstantin Lanzet

https://commons.wikimedia.org/wiki/File:KL\_Creative\_Labs\_Soundblaster\_Live\_Value\_CT4670.jpg, GFDL

https://commons.wikimedia.org/w/index.php?curid=35077920

Graphics Card by Thiago Silva

Originally posted to Flickr as 11127-45\_HD3650\_1GHM512MBDDR2\_PCIE\_C02, CC BY-SA 2.0

https://commons.wikimedia.org/w/index.php?curid=10627835

G700s Mouse by Logitech

http://gaming.logitech.com/assets/47824/g700s-gaming-mouse-images.png