

AQA Computer Science A Level

4.7.4 External hardware devices

Flashcards



Name two parts of a barcode reader



Name two parts of a barcode reader

Two from:

Laser, lens, photodiodes, mirror



Which parts of a laser printer heat the paper, fixing the toner to the page?

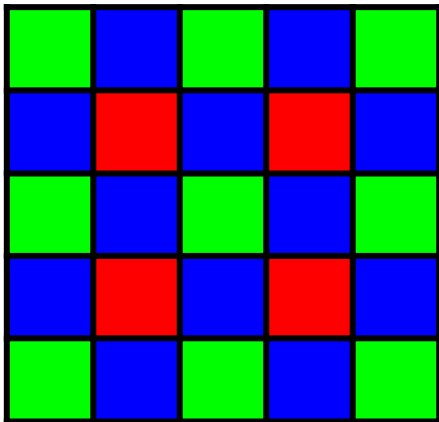


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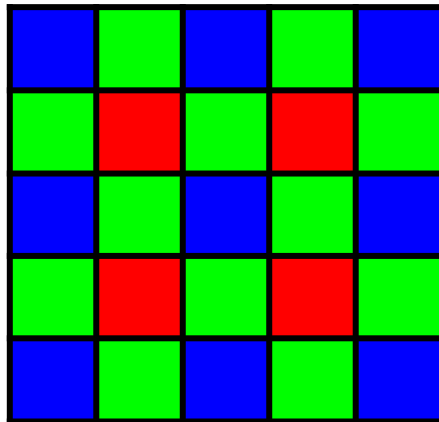
Fusers



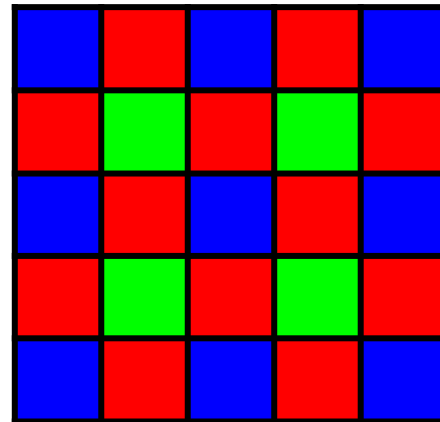
Which of the following diagrams represents a Bayer filter?



A



B



C



Which of the following diagrams represents a Bayer filter?

B



Which technology is used for transferring information wirelessly between a tag and a reader?



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Radio frequency identification (RFID)



What type of diagrams, consisting of light and dark portions, contain information that can be read by a computer?



What type of diagrams, consisting of light and dark portions, contain information that can be read by a computer?

Barcodes



Which type of RFID tag can be read from many meters away: active or passive?



Which type of RFID tag can be read from many meters away: active or passive?

Active



In a hard-disk drive, what is mounted at the end of an actuating arm?



In a hard-disk drive, what is mounted at the end of an actuating arm?

The read/write head



Which type of RFID tag can be read from many meters away: active or passive?



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Active



For what do the letters CMOS stand?



For what do the letters CMOS stand?

Complementary metal oxide
semiconductor



Which form of secondary storage is best suited for use in phones and tablets?



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Solid-state drives (SSDs)



Which form of secondary storage typically comes in capacities between 500GB and 5TB?



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Hard-disk drives (HDDs)



Name one way of increasing the capacity of a hard-disk drive without altering its overall size



Name one way of increasing the capacity of a hard-disk drive without altering its overall size

1. Adding more platters
2. Decreasing the width of tracks



Which part of a digital camera regulates the path of light between the lens and the sensor?



Which part of a digital camera regulates the path of light between the lens and the sensor?

The shutter



Which form of secondary storage has very high read and write speeds?



Which form of secondary storage has very high read and write speeds?

Solid-state drives (SSDs)



What type of memory cells are used in solid-state drives?



What type of memory cells are used in solid-state drives?

NAND flash memory cells



Name the two parts of a
passive RFID tag



Name the two parts of a passive RFID tag

1. Chip
2. Antenna



Name two characteristics that makes SSDs suitable for use in portable devices



Name two characteristics that makes SSDs suitable for use in portable devices

1. No moving parts
2. Low power consumption
3. Lightweight



Which type of secondary storage has just one continuous track?



Which type of secondary storage has just one continuous track?

Optical disks



Which four colours do the letters CYMK stand for?



Which four colours do the letters CYMK stand for?

Cyan, Yellow, Magenta, Black



What names are given to the sections of an optical disk's surface that have been permanently deformed by a laser?



What names are given to the sections of an optical disk's surface that have been permanently deformed by a laser?

Pits

