BIE Homework Sheet – Year 10

Date Issued: Week commencing 08/12/2008

Date Due In: Week commencing 15/12/2008

Input Devices

Q1 Complete the following sentences using the words below:

A joystick is used to play computer ……. And can be moved in any direction. ……. Convert the movement into ……. Which tell the computer to move the ……. …….

ingenious hackers games display help CDM

coordinates sensors screen

Q2 Say which of the following statements are true and which are false:

a) Scanned images can create very large bitmap files which take up a lot of memory.
b) It is difficult and time consuming to manipulate and edit scanned images.
c) OCR stands for Optical Character Recognition.
d) Magnetic Ink Character recognition is used by banks to process the payment of cheques.
e) MICR is very cheap to use although very unreliable.
f) MICR is expensive to use although it is almost 100% accurate.

Q3 Optical Mark Recognition is a useful way of inputting data into a computer. List one advantage and one disadvantage of using this method.

Q4 Credit cards have a short length of magnetic tape on the back. Name three pieces of information stored on it.

Q5 A local lottery has decided to invest in computer technology to promote game play. It intends to make use of optical mark recognition (OMR) to enhance its operations.

What are the advantages and disadvantages to the organisers and players of the game to using OMR rather than a manual method of reading the numbers?

All Homework must be handed in on the date requested. If you hand in homework late or it is of an unacceptable standard you will be given a Period 6.