MODULE H SOFTWARE · H4

Peripheral management, drivers and the user interface

Original practice questions · 20 marks · ~25 minutes · OCR J277 spec 1.5.1

Name _____ Date _____

Instructions. Answer all questions in the spaces provided. The marks for each part are shown in brackets [ ]. The total for this worksheet is **20 marks**.

1

Total: 4 marks

A graphic design studio has a desktop computer. A keyboard, a graphics tablet and a large-format printer are connected to it. Its operating system carries out peripheral management.

(a) Tick (✓) **one** box in each row to show whether each statement is true or false. **[4]**

Statement	True	False
Data is transferred between the peripherals and the processor.		
The transfer of data between the peripherals and the processor does not need to be managed.		
A device driver is a piece of hardware fitted inside the printer.		
The printer and the graphics tablet each need their own device driver.		

2 **Total: 5 marks**

The studio's new printer will not print until its device driver has been installed.

(a) Describe what a device driver does. **[2]**

(b) Explain why the computer cannot use the printer's device driver to communicate with the graphics tablet. **[2]**

(c) A few months later, an updated version of the printer's device driver is released. Give **one** reason why the studio should install the updated driver. **[1]**

3 **Total: 3 marks**

A designer opens a poster on the computer and chooses to print it on the large-format printer.

(a) Describe how the operating system manages the printer while the poster is printed. **[3]**

4 **Total: 4 marks**

The operating system on the studio's computer provides a graphical user interface (GUI).

(a) Describe the purpose of a user interface. **[2]**

(b) Identify **two** features of a GUI that a designer could use to open a file. **[2]**

1 .....

2 .....

5 **Total: 4 marks**

The studio plugs a new scanner into the computer. The screen shows this message:
"Scanner connected. No driver found for this device. The scanner cannot be used yet."

(a) Explain why the scanner cannot be used yet, and what needs to happen before the studio can use it. **[4]**

Total for this worksheet: 20 marks