MODULE H SOFTWARE · H2

What an operating system does

Original practice questions · 21 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 **21 marks**.

1

Total: 3 marks

A veterinary practice has a computer on its reception desk. The receptionists use it to book appointments and send emails. The computer has an operating system.

(a) State the purpose of the operating system on the reception computer. **[1]**

(b) The operating system provides a user interface. Give **two** features of a user interface that the receptionists could use. **[2]**

1

2

2

Total: 4 marks

A new receptionist has written some notes about the operating system.

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

Statement	True	False
Memory management transfers a program's instructions from secondary storage into RAM when the program is opened.		
Multitasking means one program being used by several users at the same time.		
User management lets an administrator control which files each user is allowed to open.		
Peripheral management is the function that lets the user create, name and move folders.		

3 **Total: 4 marks**

The practice buys a label printer. The receptionists will print a label for each sample that is sent to a laboratory.

(a) Explain why the operating system needs a device driver before it can use the label printer. **[2]**

(b) Explain why the operating system needs to manage the transfer of data between the processor and the label printer. **[2]**

4 **Total: 4 marks**

A receptionist has the booking program, an email program and a music player open at the same time.

(a) Describe how the operating system's memory management allows these three programs to be open at the same time. **[3]**

(b) The receptionist closes the music player. State what memory management does with the memory that the music player was using. **[1]**

5 **Total: 6 marks**

Three vets and two receptionists share one computer in the practice office. Each vet writes clinical notes about the animals they treat. The receptionists need to open the appointment files, but they must not be able to open or change the clinical notes. The practice also wants every file to be easy to find.

(a) Explain how the operating system's **user management** and **file management** functions can help the practice. **[6]**

Total for this worksheet: 21 marks