Marks

2

Question 22 (9 marks) Use a SEPARATE writing booklet.

Urbanville Medical Centre (UMC) is a small medical practice that prides itself on maintaining patient records that are accurate, up-to-date and detailed. The doctors at UMC believe that quality information will allow them to make informed diagnoses and provide quality patient care. UMC currently has a local area network that allows the receptionist to schedule consultations, and doctors to access and edit patient records in their consultation rooms.

Although the doctors currently have access to detailed text records, they also want online access to images used in diagnosis, such as X-rays, ultrasounds, and other high quality, colour-enhanced images.

- (a) Explain ONE advantage and ONE disadvantage of the computerised information system used at UMC when compared to medical practices that use paper-based records.
- (b) Discuss the technology issues relating to the storage and retrieval, and display of images in the information system.

Question 22 continues on page 17

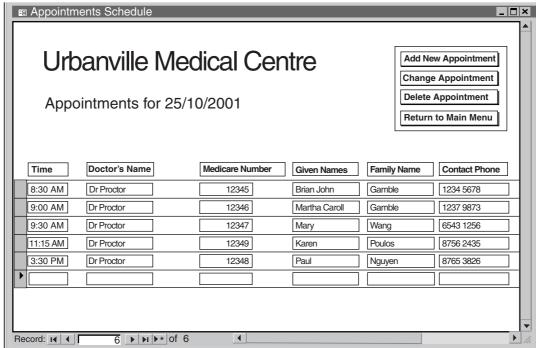
Marks

Question 22 (continued)

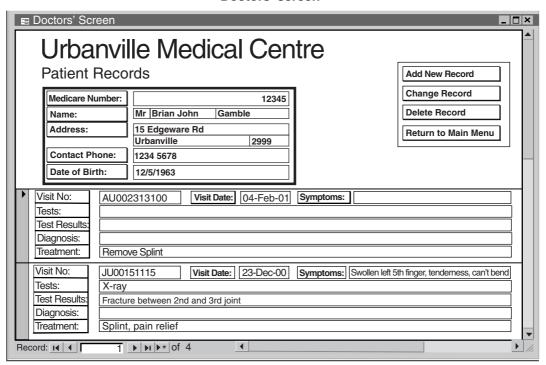
(c) The screen-shots show the screens accessed and used by the receptionist and by the doctors. Explain why the receptionist and doctors would have different views of the data.

3

Receptionist's screen



Doctors' screen



End of Question 22