

Marks

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.

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| (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. | 2 |
| (b) | Discuss the technology issues relating to the storage and retrieval, and display of images in the information system. | 4 |

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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

Appointments Schedule

Urbanville Medical Centre

Appointments for 25/10/2001

Add New Appointment

Change Appointment

Delete Appointment

Return to Main Menu

Time	Doctor's Name	Medicare Number	Given Names	Family Name	Contact Phone
8:30 AM	Dr Proctor	12345	Brian John	Gamble	1234 5678
9:00 AM	Dr Proctor	12346	Martha Carol	Gamble	1237 9873
9:30 AM	Dr Proctor	12347	Mary	Wang	6543 1256
11:15 AM	Dr Proctor	12349	Karen	Poulos	8756 2435
3:30 PM	Dr Proctor	12348	Paul	Nguyen	8765 3826

Record: 6 of 6

Doctors' screen

Urbanville Medical Centre

Patient Records

Add New Record

Change Record

Delete Record

Return to Main Menu

Medicare Number:	12345	
Name:	Mr	Brian John Gamble
Address:	15 Edgeware Rd Urbanville 2999	
Contact Phone:	1234 5678	
Date of Birth:	12/5/1963	

Visit No:	AU002313100	Visit Date:	04-Feb-01	Symptoms:	
Tests:					
Test Results:					
Diagnosis:					
Treatment:	Remove Splint				
Visit No:	JU00151115	Visit Date:	23-Dec-00	Symptoms:	Swollen left 5th finger, tenderness, can't bend
Tests:	X-ray				
Test Results:	Fracture between 2nd and 3rd joint				
Diagnosis:					
Treatment:	Splint, pain relief				

Record: 1 of 4

End of Question 22