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### Question 1

2 / 2 pts

The nurse understands that nursing informatics is recognized as a specialty area of practice by which statement? (CO 7)

There is a need for nursing informatics interests to gain representation by work groups and organizations within the United States.

The use of information and computer technology as a tool to process information to support all areas of nursing, including practice, education, administration and research.

A formal educational program at the master's level must be completed before a nurse is eligible to sit for the credentialing examination.

As a differentiated practice, nursing informatics is focused upon the client, the environment, health, and the nurse.

### Question 2

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Which statement by the nurse verifies that the nurse is "information literate"? (CO 1)

"I can use software applications such as word processing, spreadsheets, and presentations."

"I utilize databases in the health care setting to input client information such as skin condition."

"I use email over the Internet to correspond with clients and provide information."

I understand how to search for a website and evaluate its usefulness for health care needs.

### Question 3

2 / 2 pts

The nurse gathers much data when caring for clients. Which is an example of the higher-level "information" useful in caring for clients? (CO 1)

Lab work results include an electrolyte panel and complete blood count with differential.

After receiving Rocephin (ceftriaxone sodium) 1.0 gram IV yesterday, the client reported feeling better today.

The client is a widowed 64-year-old black male admitted with prostatitis.

The vital signs are BP of 130/70, HR of 88, RR of 24, temperature of 98.8 degrees F., and oxygen saturation of 98%.

### Question 4

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Which statement best distinguishes the difference between information literacy and computer literacy? (CO 1)

Information literacy is the foundation of the EHR whereas computer literacy helps the nurse to access data.

A nurse can extrapolate data with computer literacy and not information skills.

Information literacy forms the basis for ongoing learning whereas computer literacy refers to a familiarity with the use of personal computers.

Information literacy is unnecessary in health care whereas computer literacy provides the basis for computer order entry.

Question 5

2 / 2 pts

Which statement regarding pressures that drive the health care delivery system today is not accurate? (CO 7)

Evidence-based practice is supported with technology that enables the health care provider to utilize up-to-date research findings.

Managed care may utilize disease management to identify clients with chronic conditions, and treat them effectively to minimize complications and cost.

The current and projected nursing shortage may be eliminated by instituting technology enhancements in the acute care setting.

Medication errors and adverse events may be reduced with the implementation of computerized physician order entry (CPOE).

Question 6

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Which action indicates the nurse is functioning as a knowledge worker? (CO 1)

The nurse obtains the client's vital signs of BP-120/82, P-112, and R-32, totals up the intake of 1040 ml and the output of 1100 ml, and records these data in the electronic medical record.

The nurse auscultates hypoactive bowel sounds while doing a client assessment eight hours postoperatively after abdominal surgery and documents the assessment in the electronic medical record.

The nurse auscultates diminished breath sounds in a postoperative client the morning after abdominal surgery and encourages the client to turn, cough, and deep breathe every hour instead of every two hours.

The nurse administers four units of regular insulin to the client whose blood glucose is 240 at 11:30 a.m. per physician's sliding scale orders and documents it on the electronic medical administration record.

Question 7

2 / 2 pts

Which of these is an advantage in the use of Personal Digital Assistants (PDAs) in the health care setting? (CO7)

Data loss is minimized due to long battery life and ease of backups.

PDAs may be synchronized with any network without the use of special equipment or software.

Current medication information may be easily stored and compared to actual client data.

PDAs minimize the chance of interception of data transmission.

Question 8

2 / 2 pts

Equipment and hardware selection are based on personal and institutional needs. Which of the following answers are considered when selecting a system? (CO 7)

Budget constraints

All of the above

Number of workers needed to access computer at one time.  
Backup options  
Storage capacity  
Program execution time

#### Question 9

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Knowledge discovery in databases offers the health care team trended patterns that can be transformed into useful data. Which nursing role can best benefit from knowledge discovery as it pertains to evidence-based practice? (CO7)

The nurse as researcher

The nurse as administrator

The nurse at point of care

The nurse as educator

#### IncorrectQuestion 10

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The nurse refers the client to a website on smoking cessation after evaluating its contents. Which factor increases the probability that the website is appropriate for the client? (CO7)

The site has a current revision date and a URAC accreditation seal that the site meets quality standards.

The site has a list of broadly generalized indications for smoking cessation.

The site is sponsored by a pharmaceutical company that manufactures a smoking cessation medication.

The site is written in technical language and has comprehensive chemical diagrams for credibility.

#### Question 11

2 / 2 pts

The hospital health care library plans to switch some journals from paper format to online subscription. Physicians, nurses, and other health care professionals would be able to access online articles from anywhere by using a valid ID. Which of these is a disadvantage for totally online publications? (CO7)

Libraries must pay higher fees to acquire and store the materials.

Drawings and photographs are difficult to reproduce in electronic format.

Those persons without online access may not be able to access the materials.

Current information may require more time to be approved for posting.

#### Question 12

2 / 2 pts

There are many Internet websites available for searching health care related questions. Web portals are specialized websites that personalize features for individual users. Which best describes how a Web portal can individualize user information? (CO7)

A website that uses the HyperText Markup Language (HTML) to display its pages.

A website that provides a home page with general information about the organization.  
A website that offers specialized search engines for searching out information.  
A website that requests the user to register and then sign in each time upon entering.

Question 13

2 / 2 pts

Which of the following is a true statement about protecting the confidentiality of client-related e-mail? (CO1)

Viruses may be transmitted by e-mail messages, so each e-mail should be separately scanned prior to being read.

Public key infrastructure (PKI) uses unique codes to confirm the identity of those sending e-mails.

Digital credentials utilize biometric means, such as thumbprint, to verify the identity of the sender.

Encryption keys prevent viruses or Trojan horses from being attached to e-mail messages.

Question 14

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Which is the most effective way to reduce SPAM (unsolicited e-messages) in the workplace? (CO 1)

Use "challenge response software" to request confirmation that the e-mail was sent by a person.

Send and receive all company e-mail from a single e-mail account.

Allow the e-mail application program to filter all mail and send unwanted messages to the trash.

Reply to each message and request to be taken off the mailing list.

Question 15

2 / 2 pts

A physician wishes to send a very large file to a consulting physician, including a patient's chart and diagnostic images with reports. Which is the most appropriate method of sending the data? (CO 1)

Connect to the physician's computer via dial-up and transfer the information.

Attach the file to an e-mail and send it, ensuring encryption is utilized.

Utilize a file transfer protocol (FTP) program to upload the information to the physician.

Remove all graphics from the file, send the file via e-mail, and fax the diagnostic images.