



1. The nurse is developing a plan of care for a client, integrating information from the client's history and physical examination, laboratory and diagnostic test results, and medications using the new informatics system adopted by the facility. The nurse understands that informatics facilitates the task because it focuses on:
 - A) using computers.
 - B) using information technology.
 - C) managing information.
 - D) accessing the Internet.

2. An nursing informatics specialist is working as part of group tasked with evaluating the current health information technology system in the facility. As part of the evaluation process, the nurse is reviewing the initial strategic plan developed for the nationwide implementation of health information technology. Which result would lead the nurse to determine that the system has met the initial goals?
 - A) The use of personal electronic health records was eliminated.
 - B) A collaborative governance was developed to support information use for population health.
 - C) Statewide adoption of the electronic health record was fostered.
 - D) The use of telehealth systems became significantly limited.

3. Which action would a nurse identify as the current focus of today's practice informatics?
 - A) Capturing data at the point of care
 - B) Performing secondary data analysis
 - C) Using aggregated data
 - D) Making decisions based on data

4. A nurse interested in nursing informatics is reading a journal article about early computerized clinical information systems. Which information would the nurse **most** likely find as characteristic of these early systems?
 - A) Two or three functions could be performed at one time.
 - B) Information could be shared among several departments.
 - C) Different software systems were created for different areas.
 - D) Data entry needed to be done once.

5. A nursing informatics specialist is describing the benefits of informatics to a group of agency staff. Which would the nurse identify as a primary benefit for healthcare in general?
 - A) Increase in the usability of data
 - B) Promotion of cost saving
 - C) Promotion of time saving
 - D) Ability to identify patterns

6. A nursing informatics specialist is speaking to a group of colleagues about the benefits of informatics for the nursing profession. Which benefits would the specialist **most** likely include? Select all that apply.
 - A) Improvement in documentation
 - B) Use of data for quality control
 - C) Building of evidence-based knowledge
 - D) Increase in time needed for documentation
 - E) Separation of nursing information from other healthcare information

7. A nurse is presenting an in-service program on nursing informatics competencies. When describing the need for computer fluency for nursing informatics competencies, which would the nurse include as characterizing this concept?
 - A) Temporary state
 - B) Lifelong learning
 - C) Task oriented
 - D) Competency

8. A nursing informatics specialist is characterized by colleagues as an informatics innovator. This nurse would demonstrate the ability to:
 - A) use basic desktop software.
 - B) generate informatics theory.
 - C) make judgments based on trends.
 - D) communicate via a computer.

9. For which is information literacy considered essential?
 - A) Critical thinking
 - B) Problem solving
 - C) Data evaluation
 - D) Evidence-based practice

10. A nursing informatics specialist is preparing an in-service program for staff on healthcare informatics and information technology. The nurse would emphasize which component as the focus?
 - A) Information
 - B) Computer
 - C) Access
 - D) Data storage

11. A client tells the nurse, "I'm not so sure that I like the computer as my chart. I've heard so many horror stories of security problems on the computer." Which response by the nurse demonstrates understanding of the recent strategic planning goals aimed at inspiring confidence and trust in health information technology?
 - A) "We are doing everything possible to protect the confidentiality of your health information."

- B) “This technology will make it possible for everyone to have use of electronic medical records.”
 - C) “It might sound strange, but we can exchange information with others so your care will improve.”
 - D) “By using this technology, we can provide better care because we can actually measure the care you receive.”
12. While reading a journal article on the evolution of nursing informatics, at which time would the nurse expect to find a discussion about the shift in definition from a technology orientation to more of an information orientation?
- A) Early 1960s
 - B) Late 1970s
 - C) Mid-1980s
 - D) Early 1990s
13. When reviewing a client safety database, the nurse understands that which is used?
- A) Aggregated data
 - B) Deidentified data
 - C) Genomics
 - D) Protocols
14. When describing how new systems for information are organized, which would the nursing informatics specialist explain as being used?
- A) Process
 - B) Data
 - C) Flow
 - D) Increments
15. A nurse asks the nursing informatics specialist, “What is the difference between computer literacy and computer fluency?” Which information would the nursing informatics specialist integrate into the response?
- A) Computer fluency is a temporary state.
 - B) Computer literacy refers to the ability to perform tasks with a computer.
 - C) Computer fluency is static.
 - D) Computer literacy involves increasing one's ability to effectively use a computer.
16. A nurse involved in informatics identifies the need for information and demonstrates ability to locate, evaluate, and effectively use it. The nurse is demonstrating which competency?
- A) Information literacy
 - B) Computer literacy
 - C) Computer fluency
 - D) Information management

17. When describing the components needed to provide evidence-based care through informatics, which components would be included? Select all that apply.
- A) Information presented in a digital format
 - B) Standards for exchange of information
 - C) Limited ability to capture relevant data
 - D) Multiple language structures for documentation
 - E) Competency of practitioners using the information
18. A nursing informatics specialist is preparing an in-service program about forces driving the increased use of informatics in healthcare. Which forces would the nurse include as a national force? Select all that apply.
- A) Creation of the Office of the National Coordinator for Health Information Technology (ONC)
 - B) The Institute of Medicine (IOM) report on health professions education
 - C) National Advisory Council on Nurse Education and Practice recommendations
 - D) National League for Nursing (NLN) position paper on nurse preparation
 - E) Technology Informatics Guiding Educational Reform (TIGER) initiative
19. According to the National Center for Nursing Research, which are considered program goals for nursing informatics research? Select all that apply.
- A) Establishing a nursing language
 - B) Developing methods to build clinical information databases
 - C) Testing client care decision support systems
 - D) Eliminating the need for workstations for nurses
 - E) Determining how nurses give client care using data
20. A nurse is reviewing various client safety databases for safety issues. Which databases would the nurse identify as voluntary? Select all that apply.
- A) National Healthcare Safety Network
 - B) National Database of Nursing Quality Indicators
 - C) Vaccine adverse event report system
 - D) FDA reporting system
 - E) Quality and Safety Education for Nurses (QSEN)

Answer Key

1. B
2. B
3. A
4. C
5. A
6. A, B, C
7. B
8. B
9. D
10. A
11. A
12. C
13. A
14. B
15. B
16. A
17. A, B, E
18. A, B
19. A, B, C, E
20. A, B

1. A nurse is reviewing the components of a computer system that he has just purchased. Which operating system would he expect to find as the **most** common?
 - A) Microsoft Windows
 - B) Mac OSX
 - C) Linus
 - D) Google Chrome

2. When using a computer program, a nurse enters a command by pointing and clicking. The nurse student understands that this action is the result of:
 - A) disk operating system.
 - B) graphical user interfaces.
 - C) freeware.
 - D) cloud computing.

3. While using a program, a user gets a message saying that the program is not responding. The user decides to shut down the program, but it does not happen. Which action would the user do next?
 - A) Continue to click on the X at the right hand corner
 - B) Hold down the Ctrl, Alt, and Delete keys simultaneously
 - C) Turn off the computer manually
 - D) Open the program in another window

4. A nurse has purchased proprietary software for the computer. Which step is essential when installing proprietary software?
 - A) Checking the serial number
 - B) Registering the product
 - C) Purchasing the license to use
 - D) Calling the vendor to initiate service

5. When comparing and contrasting DOS with current operating systems, which information would be appropriate to include?
 - A) DOS allows multiple programs to be used at the same time.
 - B) Transferring information between programs in DOS was tedious.
 - C) Creating nontext documents was easier than creating text documents.
 - D) Only a small number of point and click options were available with DOS.

6. A nurse is working on the computer using a trial copy of a software program. The nurse is using:
 - A) freeware.
 - B) cloud computing.
 - C) shareware.
 - D) open source software.

7. Which term describes what happens to a computer after a specific period of inactivity?
 - A) Crashing
 - B) Copyrighting
 - C) Encrypting
 - D) Sleeping

8. A nurse writing a presentation using a computer that uses a Windows Operating System deletes a portion of text and then realizes that she deleted the wrong thing. Which action should she do next?
 - A) Tap the Ctrl +Y key
 - B) Hit the Ctrl +X key
 - C) Hit the Ctrl +Z key
 - D) Use the Ctrl + S key

9. A nurse working with several colleagues is creating a clinical role-playing scenario for a group of newly hired nurses as part of the unit orientation. Each of the colleagues is working on a computer that uses a Windows Operating System. But each colleague is using a different word processing program. To allow for sharing of the file, the nurses would **most** likely save the document in which format?
 - A) Speech recognition
 - B) Clipboard
 - C) DOS
 - D) Rich text format

10. A nurse is working on a Mac computer and wants to open a new web browser window. Which universal keyboard shortcut would the nurse use?
- A) Command +A
 - B) Ctrl +A
 - C) Command + N
 - D) Ctrl + C
11. A nurse is reading a journal article about the evolution of computers and operating systems. The nurse would expect to read about which operating system as the **first** released?
- A) Windows
 - B) Mac
 - C) Linux
 - D) Chrome
12. A nurse has just purchased a new Mac computer for graduate school classes. The nurse previously used a Windows computer. When making the transition to the new computer, the nurse would identify that the Command key on the Mac is the same as which key on the Windows computer?
- A) Ctrl
 - B) Esc
 - C) Alt
 - D) Windows logo
13. A nurse is working with software that has no copyright restriction. The nurse is using which type of software?
- A) Open source
 - B) Shareware
 - C) Freeware
 - D) Public domain
14. Client information files are to be stored on a cloud computing website. Which step would be **most** important to do?
- A) Encrypting the files
 - B) Checking the software copyright
 - C) Accepting the terms of use
 - D) Checking the site for viruses
15. A nursing informatics specialist is participating as a member of panel that is conducting a presentation about computers for a community group. When describing graphical user interfaces (GUIs), which advantage would the nurse include? Select all that apply.
- A) Ability to have multiple programs open at the same time
 - B) Increased ease in moving data between open programs
 - C) Enhanced use of statistical information for analysis

- D) Decreased need to remember specific command words
 - E) Decreased length of time needed for booting up the computer
16. A nurse who has just purchased a new laptop computer for the home is reading the manual and finds information about power-saving features. Which feature would the nurse **most** likely be reading about? Select all that apply.
- A) Sleep
 - B) Save
 - C) Help
 - D) Hibernate
 - E) Speech recognition
17. A nurse has purchased Microsoft cloud software for a Mac computer for the year. Which software would the nurse be able to use? Select all that apply.
- A) Word
 - B) OneNote
 - C) Access
 - D) PowerPoint
 - E) Excel
18. A nurse is reviewing the different cloud office applications available. When comparing the iCloud to other cloud office applications, which feature would the nurse identify as being different? Select all that apply.
- A) Web browser is needed to access the app.
 - B) The app is not a downloadable type.
 - C) It cannot sync files with other devices.
 - D) The app does not include office apps.
 - E) File sharing is significantly limited.
19. Which advantages are associated with the use of cloud computing? Select all that apply.
- A) Provides a backup of files in a location different from where the original document is stored
 - B) Allows for sharing files with other users
 - C) Permits the users to have full control over the site
 - D) Reduces the risk for access by cyber criminals
 - E) Eliminates the need to ever have to purchase any software
20. When describing commercial software to a group of students, which information would be **most** appropriate to include? Select all that apply.
- A) The software is proprietary.
 - B) Individuals must purchase it.
 - C) It lacks copyright protection.
 - D) Users must accept the terms of use to install it.
 - E) The software can be used without restrictions.