Question Set #2   Name _____

1. List and describe the five moral dimensions that are involved in political, social, and ethical issues. Which do you think will be the most difficult for society to deal with? Support your opinion. (Points: 10)

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2. Discuss at least three key technology trends that raise ethical issues. Give an example of an ethical or moral impact connected to each one. (Points: 10)

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3. Explain why standards are so important in information technology? What standards have been important for the growth of Internet technologies? (Points: 10)

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4. The small publishing company you work for wants to create a new database for storing information about all of their author contracts. What factors will influence how you design the database? (Points: 10)

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5. What types of capabilities does the Internet provide businesses and what Internet protocols or technologies support these? Which have proven the most valuable to businesses thus far? (Points: 10)

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6. Discuss the issue of security challenges on the Internet as that issue applies to a global enterprise. List at least five Internet security challenges. (Points: 10)

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7. _____ (True or False) Professionals take on special rights and obligations because of their special claims to knowledge, wisdom, and respect. (Points: 2)

8. _____ (True or False) N-tier computing is a multi-tier, load-balancing scheme for Web-based applications in which significant parts of Web site content, logic, and processing are performed by smaller, less expensive servers located nearby the user. (Points: 2)

9. _____ (True or False) OODBMS are slower than relational DBMS. (Points: 2)

10 _____ (True or False) A hub is a networking device that connects network components and are used to filter and forward data to specified destinations on the network. (Points: 2)

11. _____ (True or False) Zero defects cannot be achieved in larger software programs because fully testing programs that contain thousands of choices and millions of paths would require thousands of years. (Points: 2)

12. _____ (Multiple Choice) Advances in data storage techniques and rapidly declining storage costs have (Points: 3)
A. been accompanied by relevant federal statutes protecting personal data.
B. made universal access possible.
C. doubled every 18 months.
D. made routine violations of privacy cheap and effective.

13. _____ (Multiple Choice) Which of the following U.S. laws gives patients access to personal medical records and the right to authorize how this information can be used or disclosed? (Points: 3)
A. HIPAA
B. Gramm-Leach-Bliley Act
C. Privacy Protection Act
D. Freedom of Information Act

14. _____ (Multiple Choice) Legacy systems are still used because they (Points: 3)
A. can only be run on the older mainframe computers.
B. are too expensive to redesign.
C. integrate well using new Web services technologies.
D. contain valuable data that would be lost during redesign.

15. _____ (Multiple Choice) SaaS refers to (Points: 3)
A. supplying online access over networks to storage devices and storage area network technology.
B. managing combinations of applications, networks, systems, storage, and security as well as providing Web site and systems performance monitoring to subscribers over the Internet.
C. hosting and managing access to software applications delivered over the Internet to clients on a subscription basis.
D. none of the above.

16. _____ (Multiple Choice) The data dictionary serves as an important data management tool by (Points: 3)
A. assigning attributes to the data.
B. creating an inventory of data contained in the database.
C. presenting data as end users or business specialists would perceive them.
D. maintaining data in updated form.

17. _____ (Multiple Choice) Data cleansing not only corrects errors but also (Points: 3)
A. establishes logical relationships between data.
B. structures data.
C. normalizes data.
D. enforces consistency among different sets of data.

18. _____ (Multiple Choice) The Internet is based on which three key technologies? (Points: 3)
A. TCP/IP, HTML, and HTTP
B. TCP/IP, HTTP, and packet switching.
C. Client/server computing, packet switching, and the development of communications standards for linking networks and computers
D. Client/server computing, packet switching, and HTTP

19. _____ (Multiple Choice) IPv6 is being developed in order to (Points: 3)
A. update the packet transmission protocols for higher bandwidth
B. create more IP addresses.
C. allow for different levels of service.
D. support Internet2.

20. _____ (Multiple Choice) An independent computer program that copies itself from one computer to another over a network is called a (Points: 3)
A. worm.
B. Trojan horse.
C. bug.
D. pest.

21. _____ (Multiple Choice) Analysis of an information system that rates the likelihood of a security incident occurring and its cost is included in a(n) (Points: 3)
A. security policy.
B. AUP.
C. risk assessment
D. business impact analysis.