PGT Computer Science Question Paper

1. A passive threat to computer security is—
(1) Malicious Intent
(2) Sabotage
(3) Accident Errors
(4) Espionage Agents
(5) None of these

2. The Secure Electronic Transaction (SET) specification—
(1) is a notice, issued and verified by a certificate authority, that guarantees a user or Web site is legitimate
(2) provides private-key encryption of all data that passes between a client and a server
(3) allows users to choose an encryption scheme for the data that passes between a client and a server
(4) uses a public-key encryption to secure credit-card transaction systems
(5) None of these

3. ……………allows wireless mobile devices to access the Internet and its services such as the Web and e-mail—
(1) TCP/IP
(2) Ethernet
(3)WAP
(4) Token ring
(5) None of these

4. 'DOS' floppy disk does not have—
(1) A Boot Record
(2) A File Allocation Table
(3) A Root Directory
(4) Virtual Memory
(5) BIOS

5. 'MICR' technology used for clearance of cheques by banks refers to—
(1) Magnetic Ink Character Recognition
(2) Magnetic Intelligence Character Recognition
(3) Magnetic Information Cable Recognition
(4) Magnetic Insurance Cases Recognition
(5) None of these

6. All the information collected during database development is stored in a—
(1) repository
(2) data warehouse
(3) RAD
(4) CASE
(5) None of these

7. The………………component is used by the data analyst to create the queries that access the database.
(1) data extraction
(2) end-user query tool
(3) end-user presentation tool
(4) data store
(5) None of these

8. A(n)……………allows network users to share a single copy of software, which resides on the network server.
(1) single-user license agreement
(2) network site license

(3) end-user license agreement
(4) business software license
(5) None of these

9. A polymorphic virus—
(1) modifies its program code each time it attaches itself to another program or file
(2) is a malicious-logic program that copies itself repeatedly in memory or on a disk drive until no memory or disk space remains
(3) a malicious-logic program that hides within or looks like a legitimate program
(4) infects a program file, but still reports the size and creation date of the original, uninfected program
(5) None of these

10. Microwave transmission is used in environments where installing physical transmission media is—
(1) difficult or impossible and where line-of-sight transmission is unavailable
(2) easy or promising and where line-of-sight transmission is unavailable
(3) difficult or impossible and where line-of-sight transmission is available
(4) easy or promising and where line-of-sight transmission is available
(5) None of these

11. Which is NOT a good Web security strategy?
(1) Restrict access to the Web server; keep a minimum number of ports open
(2) Limit the users who can load software, edit or add files.
(3) Add demo programs, so users can test system without accessing production data.
(4) Remove unnecessary compilers and interpreters.
(5) None of these

12. The altering of data so that it is not usable unless the changes are undone is—
(1) Biometrics
(2) Compression
(3) Encryption
(4) Ergonomics
(5) None of these

13. The word FIP stands for—
(1) File Translate Protocol
(2) File Transit Protocol
(3) File Typing Protocol
(4) File Transfer Protocol
(5) None of these

14. Voice mail—
(1) is the exchange of text messages and computer files transmitted via a communications network such as a local area network or the Internet
(2) permits users to converse in real time with each other via the computer while connected to the Internet
(3) functions much like an answering machine, allowing callers to leave a voice message for the called party
(4) involves using video and computer technology to conduct a meeting between participants at geographically separate locations
(5) None of these

15. A communication processor that connects dissimilar networks by providing the translation from one set of protocol to another is—
(1) Bridge
(2) Gateway
(3) Router
(4) Modem
(5) All of these

16. Which of the following is a general-purpose programming language, designed by Sun Microsystems, and well suited for use on the Web?
(1) VB Script
(2) Java Script
(3) CSS
(4) Java
(5) None of these

17. This………….tier processes HTTP protocol, scripting tasks, performs calculations, and provides access to data.
(1) Client
(2) Applications/Web server
(3) Enterprise server
(4) DBA
(5) None of these

18. RSA is—
(1) Symmetric Cryptosystem
(2) Asymmetric Cryptosystem
(3) Block Cypher
(4) Digital Signature
(5) None of these

19. A DVD-RAM is similar to a………………except it has storage capacities up to 5.2 GB.
(1) CD-R
(2) floppy disk
(3) CD-RW
(4) hard disk
(5) None of these

20. When you are selecting a mouse for a particular computer system, what is the most important consideration?
(1) The type of drivers that come with the mouse
(2) The length of the mouse cord
(3) The type of connector the mouse is equipped with
(4) The number of buttons the mouse has
(5) None of these

21. How is power supplied to a low-power USB device?
(1) Through a power cable
(2) From an external power supply
(3) Directly from the computer's power supply
(4) Through the USB cable
(5) None of these

22. All of the following are basic principles of net works, except—
(1) each computer must have a network card
(2) there must be communications media connecting the network hardware devices
(3) there must be at least one connecting device
(4) each computer must have software that supports the movement of information
(5) None of these

23. The………….data mining technique derives rules from real-world case examples.
(1) Rule discover
(2) Signal processing
(3) Neural nets
(4) Case-based reasoning
(5) None of these

24. ……………are used to identify a user who returns to a Website.
(1) Cookies
(2) Plug-ins
(3) Scripts
(4) ASPs
(5) None of these

25. Which one of the following objects is passed to a Java Bean when one of its properties is set via a JSP action?
(1) Servlet Request
(2) Http Servlet Request
(3) Servlet Response
(4) Http Servlet Response
(5) None of these

Answers :
1. (1) 2. (4) 3. (3) 4. (4) 5. (1)
6. (2) 7. (2) 8. (2) 9. (1) 10. (4)
11. (4) 12. (3) 13. (1) 14. (3) 15. (2)
16. (2) 17. (1) 18. (4) 19. (3) 20. (3)
21. (4) 22. (2) 23. (3) 24. (1) 25. (3)