

1. A technique that slices and dices database data dynamically as means of analyzing database data is called _____.

- (1) OLTP
- (2) Data mining
- (3) Knowledge Discovery
- (4) Pattern Evaluation
- (5) None of these

2. Which of the following is an advantage of using a high-level programming language?

- (1) It decreases the total amount of code writers.
- (2) It allows programmers to define syntax.
- (3) It requires programmer-controlled storage management
- (4) It enforces coding standards
- (5) None of these

3. Combination of HTML and JAVA that can read, write database data and transit it over public and private network by compiling pages into Java services are called _____.

- (1) Java server pages
- (2) Java Mail API
- (3) Java API for XML
- (4) Java message service
- (5) None of these

4. Component of a DSS that consists of both DSS model & DSS model management system.

- (1) Model Management
- (2) Data Management
- (3) User Interface Management
- (4) Both (1) and (2)
- (5) None of these

5. What is the primary purpose of the reviews at the end of each phase in the SDLC?

- (1) Approval for the funding to continue development
- (2) Approval by management to proceed to the next phase or possibly kill the project
- (3) Approval of the final design
- (4) Provide the auditor with information about management's decision for regulatory compliance
- (5) None of these

6. Which phase of SDLC would you provide training for the users who are giving to us the new system?

- (1) System Analysis
- (2) System Design
- (3) Implementation and Deployment
- (4) System Testing and Integration
- (5) None of these

7. Breaks a project into tiny phases, and developers cannot continue on to the next phase until the first phase is complete:

- (1) XP methodology
- (2) RAD methodology
- (3) RUP methodology
- (4) Waterfall methodology
- (5) None of these

8. Select the statement that will result in a table of Names & Department of employees in English department.

- (1) Select Name Department From Department = 'English';

(2) Select * From Employee where Department = 'English' ;

(3) Select * FROM Department = 'English' ;

(4) Select Name, Department From Employee Department = 'English';

(5) None of these

9. A binary relationship in which an entity of one type is related to no more than one entity of another type is called as

- (1) 1:1
- (2) 1:N
- (3) N:M
- (4) N:1
- (5) None of these

10. _____ is becoming a standard means of defining documents structure and of transmitting documents between computers.

- (1) Electronic Data Exchange
- (2) Electronic Data Interchange
- (3) Electronic Data Transfer
- (4) Electronic Data Protocol
- (5) None of these

11. This is a mobile positioning technique used by emergency services for finding a caller's location.

- (1) Cell of origin
- (2) Location-based services
- (3) Automatic vehicle locator
- (4) Interactive Voice Response
- (5) None of these

12. Which of the following typically focuses on making alternative processes and resources available for transaction processing?

- (1) Cold-site facilities
- (2) Disaster recovery for networks
- (3) Diverse processing

- (4) Disaster recovery for systems
(5) None of these
13. Intelligence agents are software that do all of the following except
(1) Assists you
(2) Acts on your behalf
(3) Performs repetitive computer-related tasks
(4) Simulates the underlying concepts of human brain
(5) None of these
14. The quality of meta data and the resulting quality of information gained using a data warehouse solution are:
(1) Tightly linked
(2) Loosely linked
(3) Not linked
(4) Slightly Linked
(5) None of these
15. What is a scripting language?
(1) Programs written for a special run-time environment that automate the execution of tasks that could alternatively be executed one-by-one by a human operator.
(2) Compiled into "raw machine code"
(3) Focuses more on completeness of the language and syntax at the expense of needing to write more code to do some stuff.
(4) Both (1) and (3)
(5) None of these
16. Which of the following is an essential part of rapid application development methodology?
(1) Prototyping
(2) Public key encryption
(3) Crowd sourcing
(4) Nanotechnology
(5) None of these
17. Data Mining is _____
(1) art and science of discovering and exploiting new, useful and profitable relationships in data.
(2) an information processing paradigm that is inspired by the way biological nervous systems, such as the brain, process information
(3) unique data structure that allows relatively quick and easy performance of complex queries over a large amount of data
(4) central repository for all or significant parts of the data that the various business systems of an enterprise collect.
(5) None of these
18. Which of the following are the advantages of ASP.NET framework for Web development ?
(1) Reduces the line of code needed to develop large applications.
(2) Easy to deploy because of built-in configuration information.
(3) Immediately gives an alert for any memory leaks, unbounded loops and other illegal behaviours
(4) All of these
(5) None of these
19. Biometrics is an example of:
(1) something the user is
(2) something the user wants
(3) something the user has.
(4) something the user knows.
(5) None of these
20. _____ is a computer network diagnostic tool for displaying the route (path) and measuring transit delays of packets across an Internet Protocol (IP) network.
(1) Trace route
(2) DNS Resolver
(3) Ping Tool
(4) Address Resolution Protocol
(5) None of these
21. The penetration tester has full access to almost any information it need: fully detailed scope (urls, IPs, ports), details about the application, any number of tests accounts, test data, source code.
(1) Crystal Box Penetration Testing
(2) Grey Box Penetration Testing
(3) Black Box Penetration Testing
(4) White Box Penetration Testing
(5) None of these
22. _____ Architecture is a client-server software architecture pattern in which the user interface functional process logic computer data storage and data access are developed and maintained as independent modules, most often on separate platforms.
(1) Two - tier
(2) Three - tier
(3) Data - tier
(4) Application - tier
(5) None of these
23. Which of the following is not true about UDP?
(1) Reliable
(2) Connectionless
(3) Transport Layer protocol
(4) Packets are called Datagrams
(5) None of these
24. _____ is a diversified group of experts brought together for a single project, need, or event. They are usually assigned to investigate, solve, build, or recommend possible solutions to unique situations or problems.
(1) Tiger team

- (2) Sneakers
(3) Cyber team
(4) Intelligent Agents
(5) None of these
- 25.** The _____ is a document that links requirements throughout the validation process.
(1) Requirements Traceability Matrix
(2) Business requirements document
(3) Project Plan Tasks
(4) System requirement Specification
(5) None of these
- 26.** _____ Checking of Error Detection is the simplest technique for detecting and correcting errors.
(1) Simple Parity
(2) Two-dimensional Parity
(3) Check Sum
(4) Cyclic redundancy
(5) None of these
- 27.** OLAP stands for
(1) Offline analytical processing
(2) Online analytical processing
(3) Offline analytical programming
(4) Online analytical programming
(5) None of these
- 28.** Which of the following is an independent malicious program that needs no host program?
(1) Trap doors
(2) Trojan horse
(3) Virus
(4) Worm
(5) None of these
- 29.** In Address Resolution Protocol (ARP), a packet is encapsulated directly into a
(1) Data link Integer
(2) Network Frame
(3) Network Station
(4) Data link Frame
(5) None of these
- 30.** In Address Resolution Protocol (ARP), station can send its physical address and ask for a
(1) Long-time lease
(2) Lease
(3) Short time lease
(4) Logical Lease
(5) None of these
- 31.** Which of the following statement, about Radio Frequency Identification is not true?
(1) RFID tags transmit data about a product when scanned.
(2) "Passive" RFID tags do not require a battery to transmit data.
(3) RFID tags can be scanned by just being near the scanning device.
(4) RFID codes are not subject to viruses.
(5) None of these
- 32.** _____ refers to running more than a single operating system (OS) on a computer.
(1) Dual boot
(2) Multi-OS
(3) Virtual Environment
(4) Parallel Computing
(5) None of these
- 33.** GIF and PNG files use an..... format.
(1) Interlacing
(2) Progressive
(3) Regressive
(4) Clear View
(5) None of these
- 34.** If bandwidth of link is greater than bandwidth needed, bandwidth is
(1) Preserved
(2) Utilized for other communications
(3) Wasted
(4) None of Above
(5) Both (1) and (2)
- 35.** In popular technologies, like Internet browsers and audio/video applications, the ability to utilize _____ makes products more versatile and allows transparent and convenient customization according to the user's desired features.
(1) Patches
(2) Plug-ins
(3) Firmware
(4) Cookies
(5) None of these
- 36.** Software project estimation techniques can be broadly classified under one of the following headings -
(1) automated processes
(2) decomposition techniques
(3) empirical models
(4) both (b) and (c)
(5) None of these
- 37.** Which of the following is the most complete cloud computing service model ?
(1) PaaS (2) IaaS
(3) CaaS (4) SaaS
(5) None of these
- 38.** Debugging schemes include:
(1) Brute Force scheme
(2) Induction scheme
(3) Deduction scheme
(4) All of these
(5) None of these
- 39.** _____ Algorithm transforms cipher text to plain text.
(1) Encryption
(2) Decryption
(3) Both a and b
(4) All of the above
(5) None of these
- 40.** Data warehouse is
(1) The actual discovery phase of a knowledge discovery process
(2) The stage of selecting the right data for a KDD process

- (3) A subject-oriented integrated time variant non-volatile collection of data in support of management
- (4) Interactive systems that enable decision makers to use databases and models on a computer in order to solve ill-structured problems
- (5) None of these
41. Which of the following address classes is Multicast?
- (1) Class A (2) Class B
(3) Class C (4) Class D
(5) None of these
42. _____ media is video or audio content sent in compressed form over the Internet and played immediately, rather than being saved to the hard drive.
- (1) Streaming
(2) Downloading
(3) Buffering
(4) Plug-in
(5) None of these
43. In asymmetric key cryptography, the private key is kept by
- (1) Sender
(2) Receiver
(3) sender and receiver
(4) all the connected devices to the network
(5) None of these
44. Which of the following architectural forms is used in embedded systems?
- (1) CISC
(2) RISC
(3) SISC
(4) Both (1) and (2)
(5) None of these
45. Which of the following enables users to establish wireless connections within a local area, typically within a corporate or campus building, or in a public space, such as airport?
- (1) Wi-Fi (2) Bluetooth
- (3) Infrared
(4) LMDS
(5) None of these
46. The process of managing simultaneous operations on the database without letting them interfere with one another is
- (1) Serializability
(2) Recoverability
(3) Concurrency control
(4) Transaction management
(5) None of these
47. When concurrent transactions are executed in an uncontrolled manner, several problems can occur. The concurrency control has the following three problems EXCEPT:
- (1) Lost updates.
(2) Dirty read
(3) Unrepeatable read
(4) Interrupted execution
(5) None of these
48. What do we call the off-site that contains all the necessary offices, equipment and data to be used as a business continuity plan?
- (1) Warm site
(2) Hot site
(3) Cold site
(4) Time share site
(5) None of these
49. Advantage(s) of CGI include:
- (1) Platform independence
(2) Language independence
(3) Simplicity
(4) All of the above
(5) None of these
50. In statistical Time-Division Multiplexing (TDM), a block of data is usually many bytes while address is just
- (1) greater bytes than block of data
(2) few bytes
(3) zero byte
(4) infinite bytes
(5) None of these

ANSWERS

1. (1)	2. (1)	3. (1)	4. (1)
5. (2)	6. (3)	7. (1)	8. (4)
9. (1)	10. (2)	11. (1)	12. (4)
13. (4)	14. (1)	15. (1)	16. (1)
17. (1)	18. (4)	19. (1)	20. (1)
21. (1)	22. (2)	23. (1)	24. (1)
25. (1)	26. (1)	27. (1)	28. (1)
29. (4)	30. (3)	31. (4)	32. (2)
33. (1)	34. (2)	35. (2)	36. (4)
37. (4)	38. (4)	39. (2)	40. (3)
41. (4)	42. (1)	43. (2)	44. (2)
45. (1)	46. (3)	47. (4)	48. (2)
49. (4)	50. (2)		

EXPLANATIONS

1. (1) Data cubes are well suited for fast interactive querying and analysis of data at different conceptual levels, known as On-Line Analytical Processing (OLAP). OLAP operations allow the navigation of data at different levels of abstraction, such as drill-down, roll-up, slice, dice, etc.
2. (1) High-level language programs are portable, program development is faster, fewer lines of code and program maintenance is easier.
3. (1) Java Server Pages (JSP) is a technology for developing web pages that support dynamic content. This helps developers insert Java code in HTML pages by making use of special JSP tags, most of which start with <% and end with %>.
4. (1) The model management component consists of both the Decision Support System models and the Decision Support System model management system. The model management system stores and maintains the Decision Support System's models. Its function of managing models is