



SmartKeeda

The Question Bank

Presents

TestZone

India's least priced Test Series platform

JOIN

12 Month Plan

2018-19 All Test Series

@ Just

₹ 499/-

300+ Full Length Tests

- Brilliant Test Analysis
- Excellent Content
- Unmatched Explanations

JOIN NOW

IBPS SO INFORMATION TECHNOLOGY OFFICER QUIZ – 3

Directions: Study the following questions carefully and answers the questions given below:

1. Which is a quality management technique that translates the needs of the customer into technical requirements for software?

- A. System Requirement Specification
- B. Validation criteria
- C. Quality function deployment
- D. Prototyping
- E. Validating

2. Belady's anomaly states that _____

- A. More time is spent on CPU work than I/O.
- B. More time is spent on I/O than CPU work.
- C. Page-fault rate may increase as the number of allocated frames increases.
- D. Page-fault rate may decrease as the number of allocated frames increases.
- E. Desired page is not found in memory.

3. Choose the incorrect statement.

- A. Linked list is a dynamic data structure.
- B. The amount of memory required has to be declared in advance.
- C. The link field of the last node in the singly linked list contains NULL.
- D. Doubly linked list contains pointers to both the predecessor and successor nodes.
- E. In a circular linked list, the last node pointer points to the beginning of the linked list.

4. Data are followed to be transmitted in only one direction in a _____.

- A. Simplex channel
- B. Dumb Channel
- C. Half duplex
- D. Full Duplex
- E. None

5. What are the two main types of indexes in SQL Indexing?

- A. Main, devoid B. Syntax, Non-Syntax C. Server, Non-server
D. Clustered, Non-clustered E. No such types of indexes

6. _____ Language is used to connect a web page in oracle database.

- A. ASP.NET B. C++ C. C
D. VB Access E. OOP

7. The ARP is a part of the _____ layer of the TCP/IP network.

- A. Application B. Network C. Transport
D. Physical E. None of these

8. All the vertices of a walk except very first and very last vertex, is called –

- A. Internal vertices B. External vertices C. Intermediate vertices
D. Adjacent vertices E. None of these

9. Which computer network topology among the following offers ease of fault detection and isolation without disturbing the network itself?

- A. Mesh Network B. Ring Network C. Bus Network
D. Star Network E. Tree Network

10. Who initially developed android?

- A. Apple B. Google C. Android Inc.
D. okia E. HTC

Correct answers:

1	2	3	4	5	6	7	8	9	10
C	C	B	A	D	A	B	A	D	C

Explanations:

1.

QFD concentrates on maximizing customer satisfaction from the software engineering process. To accomplish this, QFD emphasizes an understanding of what is valuable to the customer and then deploys these throughout the engineering process.

A System Requirements Specification (SRS) (also known as a Software Requirements Specification) is a document or set of documentation that describes the features and behavior of a system or software application. Usually a combination of problems and opportunities are needed to provide motivation for a new system.

Hence, option C is correct.

2.

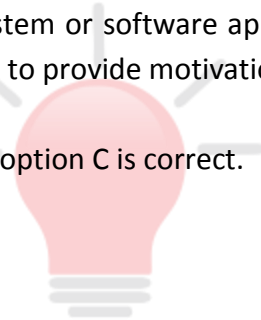
Belady's anomaly states that for some algorithms, page-fault rate may increase as the number of allocated frames increases. It is contrary to the expectation that giving more memory to a process would improve its performance.

Hence, option C is correct.

3.

Since linked list is a dynamic data structure, there is no need to declare the memory needed in advance. Memory is allocated whenever it is required and de allocated when no longer needed.

Hence, option B is correct.



4.

In simplex mode, data can flow in only one direction. In this mode, a sender can only send data and cannot receive it. Similarly, a receiver can only receive data but cannot send it. Data sent from computer to printer is an example of simplex mode.

In simplex mode, it is not possible to confirm successful transmission of data. It is also not possible to request the sender to re-transmit information. This mode is not widely used. However, this mode is used in business field at certain point-of-sale terminals. The other examples of simplex communication modes are Radio and T.V transmissions.

Hence, option A is correct.

5.

Clustered and Non-clustered indexes are the main classification of indexes in SQL. A clustered index is the fastest while Non-Clustered is the easiest index to work with. A clustered index will be always sorted manner.

Hence, option D is correct.

6.

Several popular web scripting languages that connect to Oracle databases include PHP, Perl, JSP, ASP and ASP.NET. ASP is a Microsoft scripting language that has been superseded by ASP.NET and it can be used to interact with an Oracle database.

Hence, option A is correct.

7.

Address Resolution protocol (ARP) is a network layer protocol used to convert an IP address into a physical address.

Hence, option B is correct.

8.

A walk is an undirected graph

$G = (V, E)$ is a sequence

Where v_1 are vertices and e_i is an edge connecting v_{i-1} and v_i

The vertex: v_1 start/first vertex v_n end/last vertex

Vertices v_2, v_3, \dots, v_{n-1} are called the internal vertices of P .

Hence, option A is correct.

9.

Star Network topology offers ease of fault detection and isolation without disturbing the network itself as each work station is connected with an individual line to the network. In this network topology, central server usually forms the main node and all subsidiary nodes are connected to it through switch.

Hence, option D is correct.

10.

Initially developed by Android Inc., which Google bought in 2005, Android was unveiled in 2007, with the first commercial Android device launched in September 2008.

Hence, option C is correct.



SmartKeeda

The Question Bank

प्रस्तुत करते हैं

TestZone

भारत की सबसे किफायती टेस्ट सीरीज़

अभी
जुड़ें

12 Month Plan

2018-19 All Test Series

@ Just

₹ 499/-

300+ फुल लेन्थ टेस्ट

- श्रेष्ठ विश्लेषण
- उत्कृष्ट विषय सामग्री
- बेजोड़ व्याख्या

अभी जुड़ें