

**Previous questions with answers of the Professional Knowledge paper of I.T. Officers/Specialist Officers of Banks.**

**1. The \_\_\_\_\_ states that a foreign key must either match a primary key value in another relation or it must be null.**

- (a) entity integrity rule**
- (b) referential integrity constraint**
- (c) action assertion**
- (d) composite attribute**
- (e) None of these.**

**2. An applet \_\_\_\_\_**

- (a) is an interpreted program that runs on the client**
- (b) tracks the number of visitors to a Website**
- (c) is a compiled program that usually runs on the client**
- (d) collects data from visitors to a Website**
- (e) None of these.**

**3. A \_\_\_\_\_ sometimes called a boot sector virus, executes when a computer boots up because it resides in the boot sector of a floppy disk or the master boot record of a hard disk.**

- (a) system virus**
- (b) Trojan horse virus**
- (c) file virus**
- (d) macro virus**
- (e) None of these.**

**4. Which error detection method uses one's complement arithmetic?**

- (a) Simply parity check**

(b) Checksum

(c) Two-dimensional parity check

(d) CRC

(e) None of these

5. A result of a computer virus can not lead to \_\_\_\_.

(a) Disk Crash

(b) Mother Board Crash

(c) Corruption of program

(d) Deletion of files

(e) None of these.

6. The network interface card of LAN is related to following layer of OSI Model-

(a) Transport

(b) Network

(c) Data Link

(d) Physical

(e) All of these

7. Which of the following does not describe a data warehouse?

(a) Subject-oriented

(b) Integrated

(c) Time-variant

(d) Updateable

(e) None of these

8. Which of the following is true ?

- (a) Logical design is software-dependent
- (b) In a distributed database, database is stored in one physical location
- (c) Conceptual design translates the logical design into internal model
- (d) Logical design is software independent
- (e) None of these

9. A range check \_\_\_\_\_

- (a) ensures that only the correct data type is entered into a field
- (b) verifies that all required data is present
- (c) determines whether a number is within a specified limit
- (d) tests if the data in two or more associated fields is logical
- (e) None of these

10. The total set of interlinked hypertext documents worldwide is-

- (a) HTTP
- (b) Browser
- (c) WWW
- (d) B2B
- (e) None of these

11. With the object-oriented (OO) approach, an object encapsulates, or \_\_\_\_\_ a programmer.

- (a) carries out, the details of an object for
- (b) hides, the details of an object from
- (c) reveals, the details of an object to
- (d) extends, the details of an object beyond
- (e) None of these

**12. Every computer connected to an intranet or extranet must have a distinct\_\_\_\_\_**

- (a) firewall**
- (b) proxy server**
- (c) IP address**
- (d) domain name**
- (e) None of these**

**13. A table of bits in which each row represents the distinct values of a key?**

- (a) Join index**
- (b) Bitmap index**
- (c) B + Tree**
- (d) Hierarchical index**
- (e) None of these**

**14. The degree of detail that should be incorporated into a database depends on what?**

- (a) Data integrity**
- (b) The type of database**
- (c) The user's perspective**
- (d) The business practices and policies**
- (e) None of these**

**15. The \_\_\_\_converts digital signals to analog signals for the purpose of transmitting data over telephone lines.**

- (a) Modem**
- (b) Router**
- (c) Gateway**

(d) Bridge

(e) All of these

16. Before a package can be used in a java program it must be\_\_\_.

(a) executed

(b) referenced

(c) imported

(d) declared

(e) None of these

17.

Choose the correct way to indicate that a line in a C++ program is a comment line, that is, a line the will not be executed as an instruction\_\_\_.

(a) begin the line with a # sign

(b) begin the line with double slashes (/ /)

(c) begin and end the line with double hyphens (-\_-)

(d) indent the line

(e) None of these

18. Programming language built into user programs such as Word and Excel are known as\_\_\_

(a) 4GLs

(b) macro languages

(c) object-oriented languages

(d) visual programming languages

(e) None of these

19. Firewalls are used to protect against\_\_\_.

- (a) Unauthorized Attacks
- (b) Virus Attacks
- (c) Data Driven Attacks
- (d) Fire Attacks
- (e) All of these

20.

This is a standard way for a Web server to pass a Web user's request to an application program and to receive data back to forward to the user-

- (a) Interrupt request
- (b) Forward DNS lookup
- (c) Data-Link layer
- (d) File Transfer Protocol
- (e) Common gateway interface

21. Three SQL, DDL, CREATE commands are\_\_.

- (a) Schema, Base and Table
- (b) Base, Table and Schema
- (c) Key, Base and Table
- (d) Schema, Table and View
- (e) None of these

22. Data are \_\_\_\_\_ in client/server computing.

- (a) never sent to the client machine
- (b) sent in very large sections to save processing time
- (c) sent only upon the client's request
- (d) sent in complete copies for the client to filter and sort

(e) sent from the client to the server for processing

**23. Which of the following will not eliminates the ambiguities of a null value?**

(a) Define the attribute as required

(b) Define subtypes

(c) Define each attribute as having an initial value that is recognized as blank

(d) Define supertypes

(e) None of these

**24. The\_\_\_\_directory is mandatory for every disk.**

(a) Root

(b) Base

(c) Sub

(d) Case

(e) None of these

**25. This is a group of servers that share work and may be able to back each other up if one server fails.**

(a) Channel bank

(b) Cluster

(c) Tiger team

(d) Serverless backup

(e) Logical unit

**Answers:**

**1. (a), 2 (c), 3(e), 4(b), 5(b)**

**6. (e), 7(d), 8(a), 9(c), 10(a)**

**11.(b), 12(c) 13(b) 14(b) 15(a)**

**16. (c) 17(b) 18(d) 19(a) 20(e)**

**21. (d) 22(c) 23(d) 24(c) 25(b)**