

There are two sections

1.technical qs -20

2.appititude qs -25

Technical

1. Largest integer can be written from 8 bits is
 - a. 256
 - b. 255
 - c. 8
 - d. 10
2. change a hexadecimal no to octal
3. how many address lines needed to pass 1MB of data.
4. What is the function of the modulus operator in most language.
 - a) Sets a system environmental value to either base 10 ,base 8 or base 16
 - b) Returns the remainder after dividing one number by another
 - c) Returns the first argument raised to the second argument power
 - d) Prints out the actual code written to standard output rather than executing the code
5.

```
class professor{}  
class teacher: public virtual professor{};  
class researcher: public virtual professor {}  
class myprofessor :public teacher,public researcher {};
```

Referring to the sample code above ,if an object of class myprofessor were created ,how many instances of professor will it contain?

 - a) 0
 - b) 1
 - c) 2
 - d) 3
6. Modern RDBMS s perform the following the following functionc except _____.
 - a) Force column values in one table to match any of the values in a column of another table
 - b) Automatically replicate data on another server
 - c) Automatically create new indexes based on query history
 - d) Prevent unauthorized users from accessing data at the firls level
7. RDBMS triggers are typically bound to a _____and one or more
 - a) Table,SQL statement types
 - b) SQL statement type,user
 - c) Column,rows
 - d) User, table
8. What relationship is resolved by an intersecting or associative entity ?
 - a) Recursive
 - b) Mandatory one to one
 - c) Many to Many
 - d) One to One
9. Make a copy of file upper in the directory two levels up .
 - a) jump -2 upper

- b) cp upper ../..(answer)
- c) cp upper -2/
- d) None of the above

10.i = 0;
 j = 0;
 for(j=1;j<10;j++)
 i=i+1;

In the (generic) code segment above what will be the value of the variable i at completion ?

- a) 0
 - b) 1
 - c) 3
 - d) 9
 - e) 10
- 11.Which of the following statements is true when a derivation inherits both a virtual and non-virtual instance of a base class ?
- a) Each derived class object has base objects only from the non virtual instance
 - b) Each base class object has derived objects only from the non-virtual instance
 - c) Each derived class object has base objects only from the virtual instance
 - d) Each derived class object has a base object from the virtual instance and a base object from non-virtual instance.

12.class Word

```
{
public:
Word(const char*,int = 0);
};
```

Referring to the sample code above what is the minimum number of arguments required to call the constructor ?

- a) 0
 - b) 1
 - c) 2
 - d) 3
- 13.What is the function of the modulus operator in most languages ?
- a) Sets a system environmental value to either base 10 ,base 8 or base 16
 - b) Returns the remainder after dividing one number by another
 - c) Returns the first argument raised to the second argument power
 - d) Prints out the actual code written to standard output rather than executing the code

14.lass professor{}

```
class teacher: public virtual professor{};
class researcher: public virtual professor {}
class myprofessor :public teacher,public researcher {};
```

15.Referring to the sample code above ,if an object of class “myprofessor” were created ,how many instances of professor will it contain?

- a) 0

- b) 1
- c) 2
- d) 3

16. Modern RDBMS's perform the following functions except

- a) Force column values in one table to match any of the values in a column of another table
- b) Automatically replicate data on another server
- c) Automatically create new indexes based on query history
- d) Prevent unauthorized users from accessing data at the file level

17. Which is not the characteristics of a view ?

- a) Consumes Disk space

18. 

for data

- b) Multiple tables
- c) Multiple rows
- d) Updateable

19. RDBMS triggers are typically bound to a _____ and one or more _____

- a) Table, SQL statement types
- b) SQL statement type, user
- c) Column, rows
- d) User, tables

20. What relationship is resolved by an "intersecting" or "associative" entity ?

- a) Recursive
- b) Mandatory one to one
- c) Many to Many
- d) One to One

21. Make a copy of file "upper" in the directory two levels up .

- a) jump -2 upper
- b) cp upper ../../
- c) cp upper -2/
- d) None of the above

Aptitude Section.

22. Question like A is engg. B is doctor C is artist etc then few conditions related to them you have to give answer to 4 or 5 qs on these conditions .

23. same as above with different data and conditions.

24. 3 qs on finding error in English sentences

25. If father is three times as old as son . 5 years ago he was 4 times age of his son what is son age.

26. Same as above but now daughter and mother joined in and age in question is that of daughter.

27. A figure is given find no of triangles in this figure

28. Same as above but figure is different and find no of squares and triangles.