BirlaSoft Placement Paper – 3

There are two sections
1.technical qs -20
2.apptitute 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 perfom 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

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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

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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 perfom 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

17. Which is not the characteristics of a view ?

a) Consumes Disk space for data
b) Multiple tables
c) Multiple rows
d) Updateable

18. 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

19. 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

20. 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.

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

22. same as above with different data and conditions.

23. 3 qs onfinding error in english sentences

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

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

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26. A figure is given find no of traingles in this figure
27. Same as above but figure is diffrent and find no of squares and triangles.

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