

BIRLASOFT PLACEMENT PAPERS

1 With every use of memory allocation function should be used to release allocated memory which is no longer needed ?

- a) dropmem()
- b) dealloc()
- c) release()
- d) free()

2 Which one of the following statements allocates enough space to hold an array of 10 integers that are initialized to 0 ?

- a) `int *ptr = (int *) calloc(10,sizeof(int));`
- b) `int *ptr = (int *) alloc(10*sizeof(int));`
- c) `int *ptr = (int *) malloc(10*sizeof(int));`
- d) `int *ptr = (int *)calloc(10*sizeof(in...`

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4 Which one of the following represents a correct and safe declaration of NULL ?

- a) `typedef((void *)0) NULL;`
- b) `typedef NULL(char *)0;`
- c) `#define NULL((void *)0)`
- d) `#define NULL((char*)0)`

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6 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...

7 Which of the following best explains life cycle of Defect ?

- a) Defect Found -> Defect Logged -> Defect Debugged -> Defect Closed -> Defect Rechecked
- b) Defect Found -> Defect Debugged -> Defect Reported -> Defect Rechecked ...

8 Which is not the characteristic of a view ?

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

9 Which group does Winrunner, Load Runner, SQA Suite fall under ?

- a) Databases
- b) Automated Test Tools
- c) Operating Systems
- d) Rapid Application Development Tool

10 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

11 What is the largest value an integer can hold in a Standard C compiler ?

- a) 32767
- b) 65536
- c) 2147483647
- d) INT_MAX

12 What function will read a specified number of elements from a file ?

- a) fread()
- b) readfile()
- c) fileread()
- d) gets()

13 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

14 process id of kernel

- (a) 1
- (b) 0
- (c) 2
- (d) none

15 Modern RDBMS perform the following the following function 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 base...

16 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

17 kernel executes the first process when system starts

ans :- init();

```
18 int a=1;
int ab=4;
int main()
{
int b=3,a=2;
printf("%i*%i*%i*%i",a,b,ab);
}
```

What will be the output?

```
19 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

20 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

21 class professor {}

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

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

Ref...

- a) 0
- b) 1
- c) 2
- d) 3

22 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 se...

23 #include <iostream>

Referring to the sample code above ,which of the following could you use to make the standards I/O Stream classes accessible without requiring the scope ...

- a) using namespace std::iostream
- b) using namespace std;
- c) using namespace iostream ;
- d) using iostream;