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Topic Break Down

Topic	No. of Questions
Topic 1, Volume A	109
Topic 2, Volume B	111
Total	220

QUESTION NO: 1

Which of the following is a user defined data type?

1:

```
struct person
```

```
{
```

```
char name[20];
```

```
int age;
```

```
};
```

2:

```
int l=2;
```

3:

```
enum color {red,blue, green};
```

D.

```
char c;
```

A. 1

B. 2

C. 3

D.

```
char c;
```

4

ANSWER: A C**QUESTION NO: 2**

Which of the following is a logical operator?

A. &

B. &&

C. ||

D. !

ANSWER: B C D

QUESTION NO: 3

What happens when you attempt to compile and run the following code?

```
#include
using namespace std;
int main()
{
int i = 4;
while(i >= 0) {
cout<<>
i??.
}
return 0;
}
```

- A. It prints:"43210"
- B. It prints:"3210"
- C. It prints: "3210?1"
- D. None of these

ANSWER: A

QUESTION NO: 4

Which of the following statements are correct about an array?

```
int tab[10];
```

- A. The array can store 10 elements.
- B. The expression tab[1] designates the very first element in the array.
- C. The expression tab[9] designates the last element in the array.
- D. It is necessary to initialize the array at the time of declaration.

ANSWER: A C

QUESTION NO: 5

What is not inherited from the base class?

- A. constructor
- B. destructor
- C. operator=()
- D. operator+()

ANSWER: A B C

QUESTION NO: 6

What is the output of the program if character 2 is supplied as input?

```
#include
using namespace std;
int main () {
int c;
cin >> c;
try
{
switch (c)
{
case 1:
throw 20;
case 2:
throw 5.2f;
}
}
catch (int e)
{ cout << "int exception. Exception Nr. " << e; }
```

```
catch (float e)
```

```
{ cout << "float exception. Exception Nr. " << e; }
```

```
catch (...)
```

```
{ cout << "An exception occurred."; }
```

```
return 0;
```

```
}
```

- A. It prints: float exception. Exception Nr.
- B. It prints: int exception. Exception Nr. 20
- C. It prints: An exception occurred
- D. It prints: float exception. Exception Nr. 5.2

ANSWER: D

QUESTION NO: 7

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
using namespace std;
```

```
int mult(int f, int s, int t);
```

```
int main()
```

```
{
```

```
cout << mult(1,2,3);
```

```
return 0;
```

```
}
```

```
int mult(int f, int s, int t)
```

```
{
```

```
int mult_res;
```

```
mult_res = f*s*t;
```

```
return mult_res;
```

```
}
```

- A. It prints: 0
- B. It prints: 6
- C. It prints: 2
- D. It prints: 3

ANSWER: B

QUESTION NO: 8

How could you pass arguments to functions?

- A. by value
- B. by reference
- C. by pointer
- D. by void

ANSWER: A B C

QUESTION NO: 9

What happens when you attempt to compile and run the following code?

```
#include
#include
using namespace std;
class myClass : public exception
{
virtual const char* what() const throw()
{
return "My exception.";
}
} obj;
int main () {
try
{
```

```
throw obj;
}
catch (exception& e)
{
cout << e.what() << endl;
}
return 0;
}
```

- A. It prints: My exception.
- B. It prints: 0
- C. It prints: 1
- D. Compilation error

ANSWER: A

QUESTION NO: 10

What happens when you attempt to compile and run the following code?

```
#include
using namespace std;
int main() {
float i = 1.0 / 2 * 2 / 1 * 2 / 4 * 4 / 2;
cout << i;
return 0;
}
```

- A. It prints: 0
- B. It prints: 1
- C. It prints: 2
- D. It prints: 0.5

ANSWER: B

QUESTION NO: 11

Point out an error in the program.

```
#include
using namespace std;
int main()
{
char s1[] = "Hello";
char s2[] = "world";
char *const ptr = s1;
*ptr = 'a';
ptr = s2;
return 0;
}
```

- A. No error
- B. Cannot modify a const object
- C. Compilation error at line 9
- D. None of these

ANSWER: B C**QUESTION NO: 12**

What happens when you attempt to compile and run the following code?

```
#include
using namespace std;
class A {
public:
int x;
A() { x=0;}
};
class B : public A {
```

```
public:
B() { x=1;}
};
class C : private B {
public:
C() { x=2;}
};
int main () {
C c1;
cout << c1.x;
return 0;
}
```

- A. It prints: 210
- B. It prints: 110
- C. It prints: 010
- D. Compilation error

ANSWER: D

QUESTION NO: 13

What happens when you attempt to compile and run the following code?

```
#include
using namespace std;
void fun(char*);
int main()
{
char t[4]={'0', '1', '2', '3'};
fun(&t[2]);
return 0;
}
```

```
void fun(char *a)
{
cout << *a;
}
```

- A. It prints: 2
- B. It prints: 21
- C. It prints: 00
- D. It prints: 02

ANSWER: A

QUESTION NO: 14

Which of the following structures are correct?

1:

```
struct s1{
int x;
char c;
};
```

2:

```
struct s2{
float f;
struct s2 *s;
};
```

3:

```
struct s3{
float f;
in i;
}
```

- A. 1
- B. 2

C. 3

D. All of these

ANSWER: A B

QUESTION NO: 15

If there is one, point out an error in the program

```
#include
using namespace std;
int main()
{
int i=1;
for(;;)
{
cout<<>
if(i>5)
break;
}
return 0;
}
```

A. Error in "if" statement

B. Error in "for" loop

C. No error

D. Error in break statement

ANSWER: C