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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 can be checked in a switch?case statement?

- A. char
- B. int
- C. enum
- D. double

ANSWER: A B C

QUESTION NO: 2

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

```
#include
using namespace std;
int main()
{
const char *s;
char str[] = "Hello ";
s = str;
while(*s) {
cout << *++s;
*s++;
}
return 0;
}
```

- A. It will print:"el "
- B. The code will not compile.
- C. It will print:"Hello "
- D. It will print garbage value

ANSWER: A

QUESTION NO: 3

Which code, inserted at line 10, generates the output "Hello World"?

```
#include
#include
using namespace std;
string fun(string, string);
int main()
{
string s="Hello";
string *ps;
ps = &s;
//insert code here
return 0;
}
string fun(string s1, string s2)
{
return s1+s2;
}
```

- A. `cout << fun(" World");`
- B. `cout << fun(*ps);`
- C. `cout << fun("Hello");`
- D. `cout << fun("Hello", " World");`

ANSWER: D

QUESTION NO: 4

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: 5

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: 6

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

```
#include  
using namespace std;  
void print(char *c);  
int main (int argc, const char * argv[])  
{  
    print("Test");  
    return 0;  
}  
void print(char *c)  
{  
    cout<<>  
}
```

- A. It prints: Test
- B. It prints: T
- C. It prints: st
- D. None of these

ANSWER: A

QUESTION NO: 7

What is the output of the program?

```
#include  
#include  
using namespace std;  
int main () {  
string s1 = "Hello", s2 = "World";  
s2 = s1 + s2;  
cout << s2;  
return 0;  
}
```

- A. It prints: Hello
- B. It prints: HelloWorld
- C. It prints: WorldHello
- D. It prints: WorldHelloWorld

ANSWER: B

QUESTION NO: 8

What is not inherited from the base class?

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

ANSWER: A B C

QUESTION NO: 9

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: 10

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

```
#include
using namespace std;
class A
{
public:
void Print(){ cout<<"A";}
};
class B:public A
{
public:
void Print(){ cout<< "B";}
};
int main()
{
A *obj;
A ob1;
obj = &ob1;
obj?>Print();
B ob2;
obj = &ob2;
obj?>Print();
}
```

- A. It prints: AB

- B. It prints: AA
- C. It prints: BA
- D. It prints: BB

ANSWER: B

QUESTION NO: 11

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

```
#include  
  
using namespace std;  
  
class A  
{  
public:  
virtual void Print()=0;  
};  
  
class B:public A  
{  
public:  
virtual void Print(){ cout<< "B";}  
};  
  
int main()  
{  
B ob2;  
A *obj;  
obj = &ob2;  
obj?>Print();  
}
```

- A. It prints: B
- B. It prints: A
- C. It prints: AB

D. It prints: BA

ANSWER: A

QUESTION NO: 12

Which of the following is a logical operator?

- A. &
- B. &&
- C. ||
- D. !

ANSWER: B C D

QUESTION NO: 13

Which definitions are correct?

- A. int age;
- B. int double;
- C. char c;
- D. int char;

ANSWER: A C

QUESTION NO: 14

Which code, inserted at line 19, generates the output "23"?

```
#include
#include
using namespace std;
class A {
int x;
protected:
int y;
```

```
public:
int z;
A() { x=1; y=2; z=3; }
};
class B : public A {
string z;
public:
int y;
void set() { y = 4; z = "John"; }
void Print() {
//insert code here
}
};
int main () {
B b;
b.set();
b.Print();
return 0;
}
A. cout << y << z;
B. cout << y << A::z;
C. cout << A::y << A::z;
D. cout << B::y << B::z;
```

ANSWER: C

QUESTION NO: 15

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

```
#include
using namespace std;
```

```
#include
using namespace std;
class First
{
public:
void Print(){ cout<<"from First";}
};
int main()
{
First t[2];
for (int i=0; i<2; i++)
t[i].Print();
}
```

- A. It prints: from First
- B. It prints: from Firstfrom First
- C. Compilation error
- D. Runtime error.

ANSWER: B