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****MCQ 1:****

Question: When overloading the assignment (=) operator, which of the following syntax is correct?

Options:

- 1) ``void operator (=) const String &other;``
- 2) ``void operator = (const String &s);``
- 3) ``void operator (=) (const String &s);``
- 4) ``void operator (= String &s);``

Correct Option: 2) ``void operator = (const String &s);``

****MCQ 2:****

Question: What is the correct prototype of overloading the delete operator?

Options:

- 1) ``void *operator delete (size_t, size);``
- 2) ``void operator delete (void *ptr);``
- 3) ``void *operator delete (size_t size);``
- 4) ``new operator delete (void *ptr);``

Correct Option: 2) ``void operator delete (void *ptr);``

****MCQ 3:****

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Question: What will be the output of the following code?

```
``cpp
#include <iostream>
#include <iomanip>
using namespace std;

int main() {
    int num = 7;
    cout << setfill('*') << setw(4) << num << endl;
    return 0;
}
```

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Options:

- 1) `7*****`
- 2) `7***`
- 3) `***7`
- 4) `*****7`

Correct Option: 2) `7***`

MCQ 4:

Question: Which of the following options returns the state of the end of file?

Options:

- 1) `cin.eof();`

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2) ``cin.eof();``

3) ``cin.endof();``

4) ``cin.endoffile();``

Correct Option: 1) ``cin.eof();``

****MCQ 5:****

Question: Which one is not the member function of the input stream?

Options:

1) ``cin.read();``

2) ``cin.get();``

3) ``get();``

4) ``cin.getline();``

Correct Option: 3) ``get();``

****MCQ 6:****

Question: In the syntax of the overloaded operator function given below: ``Complex operator + (Complex &);`` What is 'operator'?

Options:

1) Keyword

2) Operand

3) OperandClass

4) Class

Correct Option: 1) Keyword

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****MCQ 7:****

Question: Which of the following is the assignment operator?

Options:

1) `^`

2) `-'`

3) `='`

4) `+`

Correct Option: 3) `='`

****MCQ 8:****

Question: `calloc()` function allocates multiple blocks of memory, and each block has _____?

Options:

1) Different size

2) Different length

3) Same size

4) Same length

Correct Option: 3) Same size

****MCQ 9:****

Question: What is the right syntax of the `buf` for calling an object by using the `this` pointer?

Options:

1) `*this.buf`

2) `(*this).buf`

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3) `this->buf`

4) `this.(buf)`

Correct Option: 3) `this->buf`

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