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State Finished

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Time taken 30 days 9 hours

Grade **28.00** out of 35.00 (**80%**)

Question 1

Partially correct

Mark 14.00 out of 15.00

Match the followings:

Parentheses or function call

Bracket or array script

Dot or Member selection operator

Arrow Operator

Postfix Increment/decrement

(left to right) () [] . -> ++ --



Prefix Increment/decrement

Unary Plus and Minus

Not operator and Bitwise Complement

Type cast

Indirection or dereference operator

Address of operator

Size Operator (Determine size in Bytes)

(right to left) ++ -- ! ~ (type) * & sizeof



Multiplication

Division

Modulus

(left to right) * / %



Addition and Subtraction

(left to right) + -



Bitwise left shift and right shift

(left to right) < >=



Relational less than/less than equal to

Relational greater than/greater than equal to

(left to right) < >=



Relational equal to and not equal to

(left to right) == !=



Bitwise AND

(left to right) &



Bitwise EX-OR

(left to right) ^



Bitwise OR

(left to right) |



Logical AND

(left to right) &&



Logical OR

(left to right) ||



Ternary Conditional Operator

(right to left) ?:



Assignment operator

Addition/subtraction/ Multiplication/Division/Modulus assignment

Bitwise AND/OR/Exclusive-OR/Shift-Left/Shift-Right assignment

(right to left) = += -= *= /= %= &= |= ^= =



Comma operator

(left to right) ,



Your answer is partially correct.

You have correctly selected 14.

The correct answer is:

Parentheses or function call

Bracket or array script

Dot or Member selection operator

Arrow Operator

Postfix Increment/decrement

→ (left to right) () [] . -> ++ --,

Prefix Increment/decrement

Unary Plus and Minus

Not operator and Bitwise Complement

Type cast

Indirection or dereference operator

Address of operator

Size Operator (Determine size in Bytes)

→ (right to left) ++ -- ! ~ (type) * & sizeof,

Multiplication

Division

Modulus

→ (left to right) * / %,

Addition and Subtraction

→ (left to right) + -,

Bitwise left shift and right shift

→ (left to right) >, <, <=, >=,

Relational less than less than equal to

Relational greater than greater than equal to

→ (left to right) < >=, <= >,

Relational equal to and not equal to

→ (left to right) == !=,

Bitwise AND

→ (left to right) &,

Bitwise EX-OR

→ (left to right) ^,

Bitwise OR

→ (left to right) |,

Logical AND

→ (left to right) &&,

Logical OR

→ (left to right) ||,

Ternary Conditional Operator

→ (right to left) ? :,

Assignment operator

Addition/subtraction/ Multiplication/Division/Modulus assignment

Bitwise AND/OR/Exclusive-OR/Shift-Left/Shift-Right assignment

→ (right to left) = += -= *= /= %= &= |= ^= =,

Comma operator

→ (left to right) ,

Question **2**

Incorrect

Mark 0.00 out of 1.00

Which statement about precedence is *false*?

- ☐ a. Multiplication has a higher precedence than addition.
- ☐ b. Parentheses may be used to force the order of evaluation to occur in any sequence desired by the programmer.
- ☒ c. Subtraction has a lower precedence than division. ✗
- ☐ d. Nested, or embedded parentheses are evaluated last.

Your answer is incorrect.

The correct answer is:

Nested, or embedded parentheses are evaluated last.

Question **3**

Correct

Mark 2.00 out of 2.00

The value of the expression $13 / 26 * 5 + 9 / 2 \% 8$, when evaluated by the computer is

- ☐ a. 0
- ☐ b. 65
- ☒ c. 4 ✓
- ☐ d. 12

Your answer is correct.

The correct answer is:

4

Question **4**

Correct

Mark 2.00 out of 2.00

What is the value of f on execution of the following statements

```
int a = 10, b = 12, c = 13;  
f = a < b && b != c + a * b;  
printf("%d", f);
```

- ☐ a. 2
- ☒ b. 1
- ☐ c. 0
- ☐ d. None of the given choices



Your answer is correct.

The correct answer is:

1

Question **5**

Correct

Mark 2.00 out of 2.00

```
int main()  
{  
    int a = 1, b = 2, c = 3;  
    printf("%i", a = a + c == b );  
    return 0;  
}
```

- ☐ a. 4
- ☒ b. 0
- ☐ c. 1
- ☐ d. 3



Your answer is correct.

The correct answer is:

0

Question **6**

Incorrect

Mark 0.00 out of 2.00

In which order do the following gets evaluated

1. Logical
2. Equality
3. Relational
4. Conditional Assignment

☐ a. 2, 1, 3, 4

☐ b. 3, 2, 1, 4

☐ c. 1, 2, 3, 4

☒ d. 4, 3, 2, 1



Your answer is incorrect.

The correct answer is:

3, 2, 1, 4

Question **7**

Correct

Mark 2.00 out of 2.00

Which of the following is the correct order of evaluation for the below expression?

$z = x + y * z / 4 \% 2 - 1$

☐ a. $\% * / - + =$

☐ b. $= * / \% + -$

☒ c. $* / \% + - =$

☐ d. $* \% / - + =$



Your answer is correct.

The correct answer is:

$* / \% + - =$

Question 8

Correct

Mark 2.00 out of 2.00

Find the output.

```
1. #include <stdio.h>
2. void main()
3. {
4.   int k = 10;
5.   int x = 0 == 1 && k++;
6.   printf("%d %d\n", x, k);
7. }
```

- ☐ a. 1 10
- ☐ b. 1 9
- ☐ c. 0 9
- ☒ d. 0 10



Your answer is correct.

The correct answer is:

0 10

Question 9

Incorrect

Mark 0.00 out of 2.00

Which operator has the lowest priority?

- ☐ a. +
- ☐ b. ||
- ☒ c. ++
- ☐ d. %



Your answer is incorrect.

The correct answer is:

||

Question 10

Incorrect

Mark 0.00 out of 1.00

Choose the right statement according to precedence of operators.

- ☐ a. $(!)$ $>$ $(*, /, \%)$ $>$ $(+, -)$ $>$ $(<, <=, >, >=)$ $>$ $(==, !=)$ $>$ $(&\&)$ $>$ $(||)$ $>$ $(=)$. Check?
- ☒ b. $((!)$, $(*, /, \%)$, $(+, -)$ $>$ $(<, <=, >, >=)$ $>$ $(==, !=)$ $>$ $(&\&)$ $>$ $(||)$ $>$ $(=)$
- ☐ c. $(!)$ $<$ $(*, /, \%)$ $<$ $(+, -)$ $<$ $(<, <=, >, >=)$ $<$ $(==, !=)$ $<$ $(&\&)$ $<$ $(||)$ $<$ $(=)$
- ☐ d. $((!)$, $(*, /, \%)$, $(+, -)$ $<$ $(<, <=, >, >=)$ $<$ $(==, !=)$ $<$ $(&\&)$ $<$ $(||)$ $<$ $(=)$

✖

Your answer is incorrect.

The correct answer is:

$(!)$ $>$ $(*, /, \%)$ $>$ $(+, -)$ $>$ $(<, <=, >, >=)$ $>$ $(==, !=)$ $>$ $(&\&)$ $>$ $(||)$ $>$ $(=)$. Check?

Question **11**

Correct

Mark 1.00 out of 1.00

Find the output.

```
#include <stdio.h>

void main()

{

    int x = 1, y = 0, z = 5;

    int a = x && y || z++;

    printf("%d", a);

}
```

- ☒ a. 1
- ☐ b. 5
- ☐ c. 0
- ☐ d. 6



Your answer is correct.

The correct answer is:

1

Question **12**

Correct

Mark 1.00 out of 1.00

What is the output?

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a = 10, b = 5, c = 5;
```

```
    int d;
```

```
    d = b + c == a;
```

```
    printf("%d", d);
```

```
}
```

- ☒ a. 1
- ☐ b. 5
- ☐ c. 15
- ☐ d. 10



Your answer is correct.

The correct answer is:

1

Question **13**

Correct

Mark 1.00 out of 1.00

What is the Priority of C Logical Operators NOT (!), AND (&&) and OR (||)

- ☒ a. NOT (!) > AND (&&) > OR (||)
- ☐ b. AND (&&) = OR (||) > NOT (!)
- ☐ c. AND (&&) > OR (||) > NOT (!)
- ☐ d. NOT (!) > AND (&&) = OR (||)



Your answer is correct.

The correct answer is:

NOT (!) > AND (&&) > OR (||)

Question **14**

Correct

Mark 1.00 out of 1.00

The output of the below code segment with a = -2 and b = 3 is -----

```
c = !a && b;  
d = !a || b;  
printf("%d%d", c, d);
```

Answer: 01



The correct answer is: 01

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