

# CMR Engineering College

Name :Heman Babu  
Roll no:228r1a62b1  
Branch :CMREC  
Batch :2022-26

Email :228r1a62b1@cmrec.ac.in  
Phone :7989053640  
Department :CS  
Degree :B.Tech CS

## 2022-26\_I\_CS\_B\_C Programming Lab

### C PROGRAMMING LAB\_MCQ TEST\_OPERATORS

Attempt : 1  
Total Mark : 30  
Marks Obtained : 22

#### Section 1 : MCQ

1. Which of the following cannot be used as LHS of the expression in for (exp1;exp2; exp3) ?

**Answer**

Function

**Status : Wrong**

**Marks : 0/1**

2. What is the type of the below assignment expression if x is of type float, y is of type int?

$y = x + y;$

**Answer**

float

**Status : Wrong**

**Marks : 0/1**

3. What will be the output of the following C code?

```
#include <stdio.h>
void main()
{
    int x = 4, y, z;
    y = --x;
    z = x--;
    printf("%d %d %d", x, y, z);
}
```

**Answer**

2 3 3

**Status :** Correct

**Marks :** 1/1

4. Comment on the following statement?

```
n = 1;
printf("%d, %dn", 3*n, n++);
```

**Answer**

Output will be 6, 1

**Status :** Wrong

**Marks :** 0/1

5. What is the value of x in this C code?

```
#include <stdio.h>
void main()
{
    int x = 5 * 9 / 3 + 9;
    printf("%d",x);
}
```

**Answer**

24

**Status :** Correct

**Marks :** 1/1

6. Which of the following is not an operator in C?

**Answer**

None of the mentioned

**Status : Correct**

**Marks : 1/1**

7. What is the output of this C code?

```
#include <stdio.h>
int main()
{
    int a = 1, b = 1, d = 1;
    printf("%d, %d, %d", ++a + ++a+a++, a++ + ++b, ++d + d++ + a++);
}
```

**Answer**

15, 4, 6

**Status : Correct**

**Marks : 1/1**

8. Which of the following operators has an associativity from Right to Left?

**Answer**

+=

**Status : Correct**

**Marks : 1/1**

9. What is the output of this C code?

```
#include <stdio.h>
int main()
{
    int a = 10;
```

```
double b = 5.6;
int c;
c = a + b;
printf("%d", c);
}
```

**Answer**

15

**Status : Correct**

**Marks : 1/1**

10. Which of the following statements should be used to obtain a remainder after dividing 5.14 by 2.1 ?

**Answer**

Remainder cannot be obtain in floating point division.

**Status : Wrong**

**Marks : 0/1**

11. The output of the code below is

```
#include <stdio.h>
void main()
{
    int k = 8;
    int m = 7;
    k < m ? k = k + 1 : m = m + 1;
    printf("%d", k);
}
```

**Answer**

Compile time error

**Status : Correct**

**Marks : 1/1**

12. What is the output of this C code?

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

```
int main()
{
    int a = 10, b = 5, c = 5;
    int d;
    d = a == (b + c);
    printf("%d", d);
}
```

**Answer**

1

**Status : Correct**

**Marks : 1/1**

13. What is the output of this C code?

```
#include <stdio.h>
void main()
{
    int x = 1, y = 0, z = 5;
    int a = x && y || z++;
    printf("%d", z);
}
```

**Answer**

6

**Status : Correct**

**Marks : 1/1**

14. Comment on the output of this C code?

```
#include <stdio.h>
void main()
{
    int const k = 5;
    k++;
    printf("k is %d", k);
}
```

**Answer**

Error due to const succeeding int

**Status :** Wrong

**Marks :** 0/1

15. Result of a logical or relational expression in C is

**Answer**

0 or 1

**Status :** Correct

**Marks :** 1/1

16. Which among the following is NOT a logical or relational operator?

**Answer**

=&nbsp;

**Status :** Correct

**Marks :** 1/1

17. What is the output of this C code?

```
#include <stdio.h>
void main()
{
    int h = 8;
    int b = (h++, h++);
    printf("%d%d\n", b, h);
}
```

**Answer**

9 10

**Status :** Correct

**Marks :** 1/1

18. What will be the output of the following C code?

```
#include <stdio.h>
int main() {
```

```
int c = 2 ^ 3;
printf("%d\n", c);
}
```

**Answer**

1

**Status :** Correct

**Marks :** 1/1

19. What is the output of this C code?

```
#include <stdio.h>
void main()
{
    int b = 6;
    int c = 7;
    int a = ++b + c--;
    printf("%d", a);
}
```

**Answer**

14

**Status :** Correct

**Marks :** 1/1

20. What is the output of this C code?

```
#include <stdio.h>
void main()
{
    int k = 8;
    int x = 0 == 1 && k++;
    printf("%d%d\n", x, k);
}
```

**Answer**

0 9

**Status : Wrong**

**Marks : 0/1**

21. What is the output of this C code?

```
#include <stdio.h>
printf("%.0f", 2.89);
```

**Answer**

2

**Status : Wrong**

**Marks : 0/1**

22. The precedence of arithmetic operators is (from highest to lowest)

**Answer**

%, \*, /, +, -

**Status : Correct**

**Marks : 1/1**

23. What is the output of this C code?

```
#include <stdio.h>
int main()
{
    int i = 2;
    int j = ++i + i;
    printf("%d\n", j);
    return 0;
}
```

**Answer**

6

**Status : Correct**

**Marks : 1/1**



24. for c = 2, value of c after c <= 1;

**Answer**

c = 4;

**Status : Correct**

**Marks : 1/1**

25. What is the output of this C code?

```
#include <stdio.h>
void main()
{
    int h = 8;
    int b = 4 * 6 + 3 * 4 < 3 ? 4 : 3;
    printf("%d\n", b);
}
```

**Answer**

3

**Status : Correct**

**Marks : 1/1**

26. What is the output of this C code?

```
#include <stdio.h>
void main()
{
    int b = 5 + 7 * 4 - 9 * (3, 2);
    printf("%d", b);
}
```

**Answer**

15

**Status : Correct**

**Marks : 1/1**

27. Value of c after the following expression (initializations a = 1, b = 2, c = 1):

`c += (-c) ? a : b;`

**Answer**

`c = 2`

**Status : Correct**

**Marks : 1/1**

28. Which expression has to be present in the following?

`exp1 ? exp2 : exp3;`

**Answer**

`exp1`

**Status : Wrong**

**Marks : 0/1**

29. What will be the output of the following?

```
#include <stdio.h>
int main(void)
{
    int a = 9;
    float x;
    x = a / 2;
    printf("%f", x);
    return 0;
}
```

**Answer**

4.000000

**Status : Correct**

**Marks : 1/1**

30. Which of the following is not an arithmetic operation?

**Answer**

a != 10;

**Status :** Correct

**Marks :** 1/1