1. **What is the output of the following code?**
```
int a = 5, b = 10;
a = a ^ b;
b = a ^ b;
a = a ^ b;
printf("%d %d", a, b);
```
A) 5 10
B) 10 5
C) 0 10
D) 10 0
E)

2. **Which operator has the highest precedence in C?**
A) ++ (postfix)
B) *
C) ==
D)&&

3. **What is the output of the following code?**
```
int x = 5;
printf("%d", x++);
```
A) 5
B) 6
C) 4
D)Error

4. **What is the output of the following code?**
```
#include<stdio.h>
int main() {
char c = 'A';
printf("%d %c", c, c);
return 0;
}
```
A) 65 A
B) A 65
C) Error
D) None of the above

5. **What is the output of the following C code?**
```
#include<stdio.h>
int main()
{
int x=5, y=1;
int z=(y++)? 2: y==1 && x||y;
printf("%d\n",--z);
return 0;
}
```

A) 0
B) 1
C) 2
D) 3

6. What is the output of the following C code?

```c
#include<stdio.h>
int main()
{
int a=1, b=3;
a+=b-=a;
printf("%d,%d",a,b);
}
```

A) 3,2
B) 4,2
C) 4,-1
D) 2,3

7. What is the output of the following C code?

```c
#include<stdio.h>
main()
{
char ch;
ch = 128;
printf("%d\n",ch);
return 0;
}
```

A) 128
B) -128
C) 0
D) Garbage Value

8. What is the output of the following C code?

```c
#include<stdio.h>
int main()
{
int a = 10, b = 5, c = 3;
b != !a;
c = !!a;
printf("%d\t%d", b, c);
}
```

A) 5 1
B) 10 10
C) 1 10
D) 1 1

9. What is the output of the following C code?

```c
#include<stdio.h>
main()
{
int i=3;
int j;
j=sizeof(++i + ++i);
printf("i=%d j=%d", i, j);
}
```

A) i=4 j=2
B) i=3 j=2
C) i=3 j=4
D) i=3 j=6

10. Which one of the following correct with respect to size of the datatypes?

A) char > int > float
B) All the statements
C) char < int < double
D) double > char > int

11. What is the output of this C code?

```c
#include<stdio.h>
int main()
{
        char x;
        x='A';
        printf("%d",x);
        return 0;
}
```

A)62
B) 65
C) 71
D) 96

12. What is the output of this C code?

```c
#include<stdio.h>
int main()
{
int x=15,y=3;
   printf("%d\n", x+(~y)+1);
}
```

A) 5
B) 12
C) 18

D) 45

13. What is the output of this statement?
   printf("%d",3^2?~0+1?5:1:12);
   A) 5
   B) 1
   C) 12
   D) 0

14.Which of the following is not a logical operator?
   A) &&
   B) ||
   C) |
   D) !

15. What is the result of 64&&32?
   A)31-
   B) 64
   C) 1
   D) 0

16. What is the value of a?
   int a = 10 + 4.867;
   A) 10
   B) 4.867
   C) 14.867
   D) 14

17. Evaluate the expression
2*3/4+4/4+8-2+5/8
   A) 45
   B) 12
   C) 8
   D) -16

18. Evaluate x=7+3*6/2-1
   A) 45
   B) 12
   C) 15
   D) 3

19. Evaluate x=2%2+2*2-2/2
   A) 45
   B) 12
   C) 8
   D) 3

20. Local variables are stored in an area called _____
   A) Stack

B) RAM
C) ROM
D) Heap

21. What is the output of the following Code?
```
#include <stdio.h>
int main()
{
  int i=5;
    printf("%d%d%d%d%d",i++,i--,++i,--i,i);
}
```
A) 45323
B) 43544
C) 44555
D) 45555

22. What is the output of the following code?
```
int a = 5, b = 10;
printf("%d", a + b);
```
A) 10
B) 15
C) 20
D) Error

23. What is the correct syntax for a multi-line comment in C?
A) /* This is a comment */
B) // This is a comment //
C) { This is a comment }
D) / This is a comment //

24. What is the output of this C code?
```
void main()
{
   if (~0 == 1)
      printf("EQUAL");
   else
      printf("NOT EQUAL");
}
```
A)EQUAL
B)NOT EQUAL
C)Compile time error
D) Undefined

25. What is the output of the following code?
```
int i = 0;
while (i < 5) {
printf("%d ", i);
```

```
i++;
}
```
A) 0 1 2 3
B) 0 1 2 3 4
C) 0 1 2 3 4 5
D) None of the above
Answer: B

26. What is the output of the following code?
```
int i = 0;
do {
printf("%d ", i);
i++;
} while (i < 5);
```
A) 0 1 2 3
B) 0 1 2 3 4
C) 0 1 2 3 4 5
D) None of the above

27. What is the output of the following code?
```
int i = 0;
for (i = 0; i < 5; i++) {
printf("%d ", i);
if (i == 3) {
break;
}
}
```
A) 0 1 2 3
B) 0 1 2 3 4

C) 0 1 2 3 4 5
D) None of the above

28. What is the output of this C code?
```
#include<stdio.h>
main ()
{
int i=5;
while(i--)
{
int i=11;
i--;
printf ("%d ",i);
}
}
```

A) 10 10 10 10 10

B) 5 4 3 2 1
C) 10 9 8 7 6
D) Infinite loop

29. Which of the following statement is an infinite loop?
   (i)   while (1) {}
   (ii)   while (15) {}
   (iii) while ("infinite") {}
   (iv)   for (;;) {}

A) Expression (i)
B) Expression (ii)
C) Expression (iii)
D) All the above expressions.

30. **What is the output of this C code?**

```c
#include <stdio.h>
main ()
{
  while(1){
    int i = 0;
    while(i<10){
      ++i;
      for(;;){
        if(++¥i<5)
          continue;
        break;
      }
    }
    printf("%d",i);
    break;
  }
}
```
A) 10
B) 11
C) 9
D) program run infinite.