

NAME:**ROLL NO:****TOTAL QUESTIONS:** 50 Multiple Choice Questions**TIME:** 2 Hrs.**INSTRUCTIONS**

- i. Consider integer (int) data type of 2 Bytes. Other data types used in Quiz are of their standard size.
- ii. You can use this question paper for your rough work.
- iii. Write your answers (A/B/C/D) in the given Answer-Sheet.
- iv. There will be no Negative Marking.

Q-1 Find Output of the following code snippet:

```
int main()
{
    int x = 2, y = 0;
    int z = y && (y != 10);
    printf("%d", z);
    return 0;
}
```

- A. 1
- B. 0
- C. Undefined behavior due to order of evaluation
- D. 2

Q-2 What is the result of a logical or relational expression in C?

- A. True or False
- B. 0 or 1
- C. 0 if an expression is false and any positive number if an expression is true
- D. None of the mentioned

Q-3 What will be the output of the following code?

```
message()
{
    printf("making a fast buck.\n");
    main();
}
main()
{
    message();
    printf("..selling cocaine jn Xolombo");
}
```

- A. No output
- B. making a fast buck
- C. Print "making a fast buck" till stack overflows
- D. Compile Time Error

Q-4 Find Output of the following code snippet:

```
void main()
{
    int a = 1, b=2, c=3;
```

```
char d = 0;
if(a,b,c,d)
{
    printf("EXAM");
}
```

- A. EXAM
- B. No Output and No Error
- C. Compile time Error
- D. Run time Error

Q-5 Find Output of the following code snippet:

```
void main()
{
    printf("%d", printf("computer science"));
}
```

- A. computer science16
- B. computer science15
- C. computer science14
- D. Compile time Error

Q-6 Which of the following shows the correct hierarchy of arithmetic operations in C?

- A. / + * -
- B. * - / +
- C. + - / *
- D. * / + -

Q-7 A 'C' variable cannot start with:

- A. An alphabet
- B. A number
- C. A special symbol other than underscore
- D. both (b) and (c)

Q-8 For 16-bit compiler allowable range for integer constants is _____?

- A. -3.4e38 to 3.4e38
- B. -32767 to 32768
- C. -32768 to 32767
- D. -32668 to 32667

Q-9 Find Output of the following code snippet:

```
main()
{
    int a, b;
    a = -3 - -3;
    b = -3 - -(3);
    printf("a = %d, b = %d", a, b);
}
```

- A. a = -6, b = 0
- B. a = 0, b = -6
- C. a = 0, b = 0
- D. a = -6, b = -6

Q-10 Find Output of the following code snippet:

```
main()
{
    int x;
    x = 3 + 4 - 7 * 8 / 5 % 10;
    printf("x = %d", x);
}
```

- A. x = 0
- B. x = 24
- C. x = 6
- D. x = 7

Q-11 Find Output of the following code snippet:
main()

```
{
    int i = 10, j = 40;
    if((j-i)%10)
        printf("man sees your actions..");
    else
        printf("god sees your motives..");
}
```

- A. man sees your actions..
- B. god sees your motives..
- C. Compile time Error
- D. None of the above

Q-12 Find Output of the following code snippet:
main()

```
{
    int x = 10, y = x, z = x, t ;
    y - = x ;
    z = -x;
    t = -x ;
    printf("y = %dz = %dt = % d " , y , z , t ) ;
}
```

- A. y = 0z = -10t = -10
- B. y = -10z = -10t = -10
- C. y = 0z = 0t = -10
- D. y = -10z = 0t = -10

Q-13 Find Output of the following code snippet:
main()

```
{
    char ch = 'E';
    switch (ch)
    {
        case (ch>=65 && ch<=90):
            printf("Capital Letter"); break;
        case (ch>=97 && ch<=122):
            printf("Small case Letter"); break;
        case (ch>=48 && ch<=57):
            printf("Digit"); break;
        default: printf("Any other character");
    }
}
```

- A. Capital Letter
- B. Any other character
- C. Small case Letter
- D. Compile time Error

Q-14 Find Output of the following code snippet:
main()

```
{
    char a = 65,ch = 'C';
    printit (a,ch) ;
}
printit (char a, char ch)
{
```

```
    printf ("a = %d ch = %c",a,ch);
}
A. a = 65 ch = 65
B. a = C ch = C
C. a = 65 ch = C
D. Compile time Error
```

Q-15 Find Output of the following code snippet:
main()

```
{
    int i;
    for ( i = 1;100;i++)
        printf ("%d\n", i );
}
```

- A. 1
2
32767
-32768
-32767

```
.....
.....
```

- B. 1
2
32767
- C. 1
2
32767
-32768
-32767

```
.....
0
```

- D. Compile time Error

Q-16 Find Output of the following code snippet:
void main()

```
{
    int x=3;
    switch(x)
    {
        case 1: printf("rongW");
        case 1+2: printf("ightR");
        default: printf("C is tricky!! Compile
time error");
    }
}
```

- A. rongW
- B. ightRC is tricky!! Compile time error
- C. C is tricky!! Compile time error
- D. Compile time Error

Q-17 Find Output of the following code snippet:
void main()

```
{
    int n[5]={ 10,20,30,40,50};
    printf("%d",n[3-2] + n[4-4]);
}
```

- A. 10
- B. 60
- C. 20
- D. 30

Q-18 Find Output of the following code snippet:

```
main()
{
    char ch = 66;
    printf ("%d %d %c", 32770, ch, ch);
}
```

A. -32766 66 B
 B. -32770 66 B
 C. -32766 66 66
 D. Compile time Error

Q-19 Find Output of the following code snippet:

```
main()
{
    float a = 5, b = 2;
    int c;
    c = a%b;
    printf ("%d", c );
}
```

A. Compile time Error
 B. 1
 C. 1.000000
 D. None of the above

Q-20 Find Output of the following code snippet:

```
main()
{
    int q = 2, d = 3, st;
    st = q*d/4-12/12+12/3*16/d;
    printf ("st = %d", st);
}
```

A. st = 0
 B. st = Garbage Value
 C. st = 35
 D. st = 21

Q-21 Find Output of the following code snippet:

```
main()
{
    int x = 11, y = 6, z;
    z = (x == 51) || (y != 4);
    printf ("z = %d", z);
}
```

A. z = 0
 B. z = 1
 C. z = 11
 D. z = 6

Q-22 Find Output of the following code snippet:

```
main()
{
    if (!13.14)
        printf ("I have robbed and killed...");
    else
        printf ("Until my evil purse was filled");
}
```

A. I have robbed and killed...
 B. Until my evil purse was filled
 C. No Output
 D. Compile time Error

Q-23 Find Output of the following code snippet:

```
main()
{
    float a = 12.25, b = 13.65;
    if (a = b)
        printf ("a and b are equal");
    else
        printf ("a and b are not equal");
}
```

A. a and b are not equal
 B. No Output
 C. a and b are equal
 D. Compile time Error

Q-24 Find Output of the following code snippet:

```
main()
{
    int a = 10, b = 10;
    printf ("ans = %d", a>b?a*a:b/b);
}
```

A. ans = 100
 B. ans = 10
 C. ans = 0
 D. ans = 1

Q-25 Find Output of the following code snippet:

```
main()
{
    int i;
    for ( i = 1 ; i++ <= 5 ; printf ("%d", i) ) ;
}
```

A. 12345
 B. 123456
 C. 23456
 D. 2345

Q-26 Find Output of the following code snippet:

```
main()
{
    int x = 3 ;
    x *= x + 4 ;
    printf (x = %d", x ) ;
}
```

A. x = 13
 B. x = 21
 C. x = 3
 D. x = 4

Q-27 Find Output of the following code snippet:

```
main()
{
    int x = 3, z ;
    z = ++x + 10;
    printf ("x = %dz = %d", x , z ) ;
}
```

A. x = 4z = 14
 B. x = 3z = 13
 C. x = 4z = 13
 D. x = 3z = 14

Q-28 Find Output of the following code snippet:

```
main()
{
    int x = 3, z ;
    z = x / ++ x ;
    printf ("x = %dz = %d", x , z );
}
```

- A. x=4z=1
- B. x=3z=0
- C. x=4z=0
- D. x=3z=1

Q-29 Find Output of the following code snippet:

```
main()
{
    int i = 3 , j ;
    j = ++ i * ++ i * ++ i ;
    printf ("%d",j);
}
```

- A. 120
- B. 60
- C. 27
- D. 216

Q-30 Find Output of the following code snippet:

```
main()
{
    int i;
    for (i = -1 ; i <= 10; i++)
    {
        if ( i < 5 )
            continue;
        else
            break;
        printf ("Gets printed only once!!");
    }
}
```

- A. Gets printed only once!!
- B. Gets printed only six times!!
- C. 5678910
- D. No output

Q-31 What is the sizeof(char) in a 32-bit C compiler?

- A) 1 bit
- B) 2 bits
- C) 1 Byte
- D) 2 Bytes

Q-32 Choose the correct answer after reading below statement:

Afzal writes a piece of code, where a set of three lines occur around 10 times in different parts of the program. What programming concept can he use to shorten his program code length?

- A. Use for loops
- B. Use functions
- C. Use arrays
- D. Use classes

Q-33 Find Output of the following code snippet:

```
int main()
{
```

```
int x, y;
for(x=5;x>=1;x--)
{
    for(y=1;y<=x;y++)
        printf("%d",y);
}
```

- A. 123451234123121
- B. 11
- C. 10
- D. 13

Q-34 Find Output of the following code snippet:

```
int main()
{
    int a[5] = {5, 1, 15, 20, 25};
    int i, j, m;
    i = ++a[1];
    j = a[1]++;
    m = a[i++];
    printf("%d, %d, %d", i, j, m);
    return 0;
}
```

- A. 2, 1, 15
- B. 1, 2, 5
- C. 3, 2, 15
- D. 2, 3, 20

Q-35 Find Output of the following code snippet:

```
main()
{
    int i=2;
    switch(i)
    {
        case 1: printf ("Do");
        case 2: printf ("Re");
        case 3: printf ("Me"),
        case default: printf ("FaSoTiDo");
    }
}
```

- A. Re
- B. Error message: Expression syntax in function main
- C. ReMeFaSoTiDo
- D. DoReMeFaSoTiDo

Q-36 Find Output of the following code snippet:

```
main()
{
    int i;
    for (i = 2 ; i <= 10; i++)
    {
        switch (i)
        {
            case 2 : printf ( "O" ) ; continue;
            case 3 : break;
            case 4 :
            case 5 : printf ("H"); break;
            default: printf ("!") ;
        }
    }
}
```

- }
 A. !!!!!!!
 B. OH!!!!!!
 C. OHH!!!!!!
 D. HHO!!!!!!

Q-37 Find Output of the following code snippet:

```
int check (int ch)
{
    return(ch>=45?3.14:6.28);
}
main()
{
    int i = 45;
    float c;
    c = check ( i ) ;
    printf ("c = % f",c);
}
A. c = 6.280000
B. c = 3.140000
C. c = 3.000000
D. c = 6.000000
```

Q-38 Find Output of the following code snippet:

```
int add(int ii)
{
    ++ii;
    return(ii) ;
}
main()
{
    int i = 3, k, l;
    k = add (++i);
    l = add (i++);
    printf ("i = %d k = %d l= %d", i,k,l) ;
}
A. i = 3 k = 4 l = 5
B. i = 5 k = 5 l = 5
C. i = 4 k = 4 l = 4
D. i = 4 k = 4 l = 5
```

Q-39 Find Output of the following code snippet:

```
main()
{
    int i;
    for( i = 1; i<=100; i++);
    printf ("%d", i);
}
A. 101
B. 100
C. 1
  2
  ...
  ...
  100
D. Compile time Error
```

Q-40 Find Output of the following code snippet:

```
main()
{
```

```
static int c = 5 ;
printf ("c = %d\n", c-- ) ;
if(c)
    main();
}
A. c = 5
  c = 5
  c = 5
  c = 5
  c = 5
B. c = 5
  c = 4
  c = 3
  c = 2
  c = 1
C. c = 5
  c = 5
  c = 5
  c = 5
  c = 5
  .....
  .....
D. c = 5
  c = 4
  c = 3
  c = 2
  c = 1
  c = 0
  c = -1
  .....
  .....
```

Q-41 Is it possible to run program without main() function?

- (A) Yes
 (B) No

Q-42 Find Output of the following code snippet:

```
main()
{
    int x = 10;
    {
        int x = 0;
        printf("%d",x);
    }
}
(A) 10
(B) Compilation Error
(C) 0
(D) Undefined
```

Q-43 Find Output of the following code snippet:

```
void main()
{
    int a = 10.5;
    printf("%d",a);
}
(A) 10.5
(B) 10
(C) 0
(D) Compilation Error
```

Q-44 Find Output of the following code snippet:

```
int main()
{
    char arr[5]="The CppBuzz.com";
    printf("%s",arr);
    return 0;
}
```

- (A) The CppBuzz.com
- (B) The C
- (C) The CppBuzz
- (D) Compilation Error

Q-45 What is output of below program?

```
void main()
{
    int i,j,count;
    count=0;
    for(i=0; i<5; i++){
        for(j=0;j<5;j++){
            count++;
        }
    }
    printf("%d",count);
}
```

- (A) 55
- (B) 54
- (C) 1
- (D) 0

Q-46 Library function getch() belongs to which header file?

- (A) stdio.h
- (B) conio.h
- (C) stdlib.h
- (D) stdlibio.h

Q-47 Find Output of the following code snippet:

```
int main()
{
    char str[10] = "Smaller";
    int a = 100;
    printf(a > 10 ? "Greater" : "%s", str);
    return 0;
}
```

- A. Smaller
- B. Compile time Error
- C. 100
- D. Greater

Q-48 Find Output of the following code snippet:

```
int main()
{
    int a = 100, b = 200, c = 300;
    if(!a >= 500)
        b = 300;
    c = 400;
    printf("%d,%d,%d",a, b, c);
    return 0;
}
```

- A. 100,300,300
- B. 100,300,400
- C. 100,200,300
- D. 100,200,400

Q-49 If S is an array of 80 characters, then the value assigned to S through the statement scanf("%s",S) with input 12345 would be:

- A. "12345"
- B. nothing since 12345 is an integer
- C. S is an illegal name for string
- D. %s cannot be used for reading in values of S

Q-50 Consider the below array declaration:

```
int val[2][4] = { 1, 2, 3, 4, 5, 6, 7, 8 } ;
```

4 will be the value of:

- A. val[0][3]
- B. val[0][4]
- C. val[1][1]
- D. none of the above

-----END-----

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