WEEK 0

1.In C programming, what is the use of %d format specifier in printf() function?

a. Prints double type value

b. Prints integer type value

c. Prints character type value

d. Prints string type value

Ans: b

2.Consider the following code and answer the questions.

int main()

{

int a[8] = {3, 1, 0, 5, 2, 7, 6, 4); }

What is the value of a [a [a [3] ] ]? Select your correct answer from the following options.

A. Program is with a compile-time error

B. Program is with a run-time error

C. NULL

D. 4

Ans: D

3.Which of the following is not a valid identifier in C programming language?

a. 21Guns

b. No

c. yes

d. \*p

Ans: a

4.Consider the following function definition:

functionCheck( int a, int b)

return (a < b) ? 0 : (a - b));

}

Let x, y be any two non-negative integers. What does the function

functionCheck (x, functionCheck (x, y)) do? Select your correct answer

from the following choices.

a. Maximum of x and y.

b. Positive difference of x and y.

C. Sum of x and y.

d. Minimum of x and y.

Ans: d

5.What will be the output of the following code?

#include<stdio.h>

#define myfunc(i, j) i##j

int main()

{

    int v1= 40;

    int v2= 0;

    //char FirstSecond[] = "IndiaBIX";

    printf("%d", myfunc(1,1)\*myfunc(v,1));

    return 0;

}

Select your correct answer from the following choices.

a. 40

b. 400

C. 440

d. 0

Ans: c

6.To store the string "Javajuly”, how many bytes that a C-compiler will take? Select your correct answer from the following options.

a. 4 bytes.

b. 5 bytes.

C. 8 bytes.

d. 9 bytes.

Ans: d

7.Which of the following operator has the lowest priority?

a. ++

b. +

C. %

d. II

Ans: d

8.In the declaration given below, what is "array"?

a. It is a keyword

b. It is a literal

c. It is an operator

d. It is a pointer

int array[20];

Ans: d

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

#include <stdio.h>

int main()

{

void foo();

printf("1 ");

foo();

}

void foo()

{

printf("2");

}

Select your correct answer from the following choices.

A. 12

B. It will give compile-time error

C. 212

D. Depends on the compiler

Ans: A

10.Which of the following is a valid C expression?

A. int my\_num = 100,000;

B. int my\_num= 100000;

C. int my num= 1000;

D. int $my\_num = 10000;

Ans: B

11.Consider the following declarations:

float x=12.0, y=6.0;

int a=4, b=3;

float z;

What is the value of z computed in each of the following assignment statements?

i.

z = x y + a / b ;

ii. Z = abb/a x; \*

Z = (xy) > 1?x:y;

iv. N = (int) (x + b) / a b;

Select your correct answer from the following choices.

A. 3.0, 0.0, 12.0, 0.0

B. 0.0, 0.0, 0.0, 0.0

C. 0.0, 0.0, 12.0, 0.0

D. 3.0, 0.0, 12.0, 1.0

Ans: A

12.Consider the following declarations:

#include<stdio.h>

void main()

{

int i, j 10; y = 0; = for (i 0; i < j; i++) =

while (j) y += j--; printf("%d", y);

}

What will be the output of the program? Select your option from the following.

A. 100

B. 10x9x8x...x3x2x1

C. 10+9+8+...+3+2+1

D. 0

Ans: C

13.A function foo (int) is defined as follows:

int foo (int i) { int x=1, j = 1;

X \*= ji

while (i) { j++; if(j<7) continue;

else break;

}

return x;

}

What will be the output of the program? Select your option from the following.

A. The program will be with compilation error

B. 6x5x4x3x2x1

C. 6+5+4+3+2+1

D. The program will be with an infinite loop and hence not return any value.

Ans: C

14.Which of the following statement(s) is/are NOT true.

A. Java is an object-oriented programming language

B. C is an object-oriented programming language

C. C++ is an object-oriented programming language

D. C# is an object-oriented programming language.

Ans: B

15.Which of the following is NOT possible in C programming without using specialized libraries?

A. Dynamic memory allocation

B. Running multiple functions concurrently.

C. Recursive execution of a function.

D. Working with abstract data types.

Ans: D