1. **What is the starting point of c program execution?**

    (a) #include
    (b) void main()
    (c) Opening curly braces '{'
    (d) None of these

    Answer:
    Option **(b)**

2. **C is a _____ language**

    (a) High level
    (b) Middle level
    (c) Machine level
    (d) Low level

    Answer:
    Option **(b)**

3. **What symbol ends a statement in C program?**

    (a) ; (Semicolon)
    (b) . (full stop)
    (c) : (Colon)
    (d) } (curly braces)

    Answer:
    Option **(a)**

4. **Header file is compulsory to include in a C program printing "Hello World"**

    (a) True
    (b) False

    Answer:
    Option **(a)**

5. **How Many Keywords are there in C?**

    (a) 31
    (b) 32
    (c) 64
    (d) 63

    Answer:
    Option **(b)**

6. **Which of the following is true for variable name in C?**

(a) Variable names cannot start with a digit

(b) Variable can be of any length

(c) They can contain alphanumeric characters as well as special characters

(d) Reserved word can be used as a variable name

Answer:
Option **(a)**

7. **printf() belongs to which library of c**

(a) stdlib.h

(b) stdio.h

(c) stdout.h

(d) stdoutput.h

Answer:
Option **(b)**

8. **Which of the following is a correct statement?**

(a) Variable name must start with underscore

(b) Variable name must have digit

(c) variable name must have white space character

(d) Keyboard cannot be a variable name

Answer:
Option **(d)**

9. **Any C program**

(a) must contain at least on function

(b) need not contain any function

(c) needs input data

(d) none of above

Answer:
Option **(a)**

10. **What should be written in the program to get newline on the screen?**

(a) printf("\n");

(b) echo"\n"

(c) printf('\n');

(d) printf("\n");

Answer:
Option **(a)**

11. **What is the putput?**

void main()

```
{

    float a=654.1239;

    printf("%0.3f",a);

}
```

(a) Compiler error

(b) 654.123900

(c) 654.123

(d) 654.124

Answer:
Option (d)

12. **Choose a C formatted Input-Output function below.**

(a) printf(), scanf()

(b) sprintf(), sscanf()

(c) fprintf(), fscanf()

(d) All of above

Answer:
Option (d)

13. **Which operator if used to compare two values?**

(a) Logical operator

(b) Relational operator

(c) Assignment operator

(d) Non of these
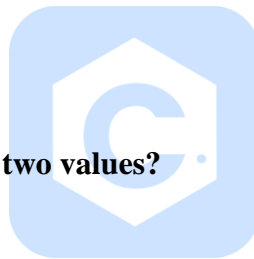
Answer:
Option (b)

14. **The Operator '&' is used as**

(a) Logical AND

(b) Bitwise AND

(c) Logical OR

(d) Bitwise OR

Answer:
Option (b)

15. **Which of the following is a valid relational operator?**

(a) =

(b) =>

(c) ==

(d) >>

Answer:
Option **(c)**

16. **What will be the value of variable a?**

float a = 3.5+4.5;

(a) a = 8.0
(b) a = 8
(c) a = 7
(d) a = 0.0

Answer:
Option **(a)**

17. **If we want to increment the value of sum by 1. Which of following should be used?**

(a) sum++;
(b) sum = sum + 1;
(c) sum += 1;
(d) all of above

Answer:
Option **(d)**

18. **What will be the value of variable a?**

int a = 3.5+4.5;

(a) a = 0
(b) a = 7
(c) a = 8
(d) a = 8.0

Answer:
Option **(c)**

19. **Which of the following is a valid assignment operator?**

(a) +=
(b) -=
(c) *=
(d) all of above

Answer:
Option **(d)**

20. **What will be the value of variable b?**

int a;

int b;

a=1;

b = ++a;

(a) 1

(b) 2

(c) 3

(d) unknown/undefined

Option **(b)**

21. **Choose the correct statement about left shift Operator <<**

(a) Left shift operator shits individual bits on the left side

(b) When shifting left side, Overflow bits are ignored

(c) Zeros are filled on the right side

(d) all of above

Option **(d)**

22. **Choose the correct statement about Right Shift Operator >>**

(a) Right shift operator shifts individual bits on to the right side

(b) When shifting bits right side, overflow bits on the right are ignored or truncated

(c) Zeroes are filled on the left side

(d) all of above

Option **(d)**

23. **Which is bit toggling operator below?**

(a) & Bitwise AND

(b) | Bitwise OR

(c) ^ Bitwise exclusive OR

(d) ~ Bitwise complement

Option **(d)**

24. **Left Shift operation is equivalent to _____**

(a) Division by 2

(b) Multiplying by 2

(c) Adding 2

(d) Subtrating 2

Option **(b)**

25. **Which of the following is a symbol for logical AND operator?**

    (a) ||

    (b) &

    (c) &&

    (d) ##

    Answer:
    Option **(c)**

26. **Right Shift operation >> is equivalent to _____**

    (a) Multiplying by 2

    (b) Division by 2

    (c) Adding 2

    (d) Subtracting 2

    Answer:
    Option **(b)**

27. **What will be the value of variable c?**

    int c = 2 ^ 3;

    (a) 1

    (b) 8

    (c) 9

    (d) 0

    Answer:
    Option **(a)**

28. **Which of the following is ternary operator?**

    (a) ??

    (b) :?

    (c) ?:

    (d) ::

    Answer:
    Option **(c)**

29. **What will be the output of following program**

    #include<stdio.h>

    void main()

    {

int x,y=10;

x = y * NULL;

printf("%d",x);

}

  (a) error

  (b) 0

  (c) 10

  (d) garbage value

Answer:
Option **(a)**

30. **Which of following is not a valid assignment expression?**

  (a) y = 22;

  (b) s = x;

  (c) y%=6;

  (d) z = 5 = 3;

Answer:
Option **(d)**

31. **An arithmetic expression without paranthesis will be evaluated from left to right**

  (a) True

  (b) False

Answer:
Option **(a)**

32. **In C Programming, the statement a = a+1 and a+=1 will produe same result**

  (a) True

  (b) False

Answer:
Option **(a)**

33. **Within a expression, _____ precedence operators will be evaluated first**

  (a) Similar

  (b) Higher

  (c) Lower

  (d) None of these

Answer:
Option **(b)**

34. **What will the value of variable a?**

int a = 10 + 2 * 12 / (3*2) + 5;

(a) 31
(b) 19
(c) 11
(d) 29

Answer:
Option **(b)**

35. **Which of the following correctly shows the hierarchy of arithmetic operation in C?**

(a) /+*-
(b) *-/+
(c) /*+-
(d) +-/*

Answer:
Option **(c)**

36. **Which is a correct 'C' expression?**

(a) z = (x+y);
(b) z = [x+y]
(c) z = {x+y}
(d) z = {(x+y)};

Answer:
Option **(a)**

37. **Which header file is essential for using scanf function?**

(a) ctype.h
(b) string.h
(c) conio.h
(d) stdio.h

Answer:
Option **(d)**

38. **Macro is used to _____.**

(a) Save Memory
(b) fast execution
(c) Both a & b
(d) non of above

Answer:
Option **(b)**

39. **Which of the following is ternary operator?**

   (a) ??

   (b) :?

   (c) ?:

   (d) ::

Answer:
Option **(c)**

40. **Which header file is essential for using scanf() function?**

   (a) ctype.h

   (b) string.h

   (c) conio.h

   (d) stdio.h

Answer:
Option **(d)**

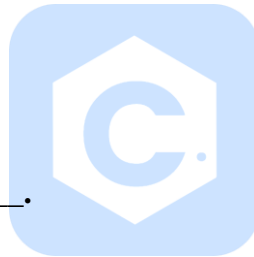**41.** **A declaration float sum, value; occupies _____ of memory?**

   (a) 2 byte

   (b) 4 byte

   (c) 6 byte

   (d) 8 byte

Answer:
Option **(d)**

42. **MACRO is used to _____.**

   (a) Save memory

   (b) fast execution

   (c) Both a & b

   (d) none of above

Answer:
Option **(b)**

43. **Which of the following is a symbol for logical AND operator?**

   (a) II

   (b) &

   (c) &&

   (d) $$

Answer:
Option **(c)**

44. **What will be the output of following program
#include**

main()

```
{
    int x,y = 10;

    x = y * NULL;

    printf(\"%d\",x);

}
```

(a) error

(b) 0

(c) 10

(d) garbage value

Answer:
Option **(a)**

45. **printf() belongs to which library of c**

(a) stdlib.h

(b) stdio.h

(c) stdout.h

(d) stdoutput.h

Answer:
Option **(b)**

46. **What will be printed if we type the statement printf("%d\n",'d');**

(a) 0

(b) 100

(c) error

(d) d

Answer:
Option **(b)**

47. **C is a _____ language**

(a) High level

(b) Middle level

(c) Machine level

(d) Low level

Answer:
Option **(b)**

48. **Which of the following function is more appropriate for reading in a multiword string?**

(a) printf();

(b) scanf();

(c) gets();

(d) puts();

Answer:

49. **What are the different types of real data types in C?**
    (a) float, double
    (b) short int, double, long int
    (c) double, long int, float
    (d) float, double, long double

    Answer:
    Option (d)

50. **Which of the following is a correct statement?**
    (a) Variable name must start with underscore
    (b) Variable name must have digit
    (c) Variable name must have white space character
    (d) Keyword cannot be a variable name

    Answer:
    Option (d)

51. **What will be the output of following code.**
    ```
    {
        int x = 10, y=15;
        x = x++;
        y = ++y;
        printf("%d, %d \n" , x, y);
    }
    ```
    (a) 10, 15
    (b) 10, 16
    (c) 11, 16
    (d) 11, 15

    Answer:
    Option (b)

52. **Any C program**
    (a) Must contain at least one function
    (b) Need not contain any function
    (c) Needs input data
    (d) None of the above

    Answer:
    Option (a)

53. **Which is a correct 'C' expression?**
    (a) z = (x+y);

(b) z = [x+y];

(c) z = {x+y};

(d) z = {(x+y)};

Answer:
Option **(a)**

54. **If we want to increment the value of sum by 1. Which of following should be used?**

(a) sum++;

(b) sum = sum+1;

(c) sum += 1;

(d) all of above

Answer:
Option **(d)**

55. **Which of following is not a valid assignment expression?**

(a) y = 22;

(b) s = x;

(c) y % = 6;

(d) z = 5 = 3;

Answer:
Option **(d)**

56. **What should be written in the program to get newline on the screen?**

(a) printf("\n");

(b) echo "\n";

(c) printf('\n');

(d) printf(" \n ");

Answer:
Option **(a)**

57. **ASCII value of 'a' is**

(a) 97

(b) 65

(c) 47

(d) None of the above

Answer:
Option **(a)**

58. **A float requires _____bytes in memory**

(a) 2 bytes

(b) 1 byte

(c) 8 bytes

(d) 4 bytes

Answer:
Option **(d)**

59. **Which of the following operator is used to select a member of a structure variable**

(a) .(dot)

(b) ,(comma)

(c) : (colon)

(d) ;(semicolon)

Answer:
Option **(a)**

60. **What is the starting point of C program execution?**

(a) #include

(b) void main()

(c) Opening curly braces '{'

(d) None of these

Answer:
Option **(b)**

61. **Which symbol ends a statement in C program?**

(a) . (full stop)

(b) ; (semicolon)

(c) : (colon)

(d) } (curly braces)

Answer:
Option **(b)**

62. **Which symbol is used to comment single statement?**

(a) //

(b) \

(c) /*

(d) *

Answer:
Option **(a)**

63. **Why preprocessor directive needed in the beginning of a C program?**

(a) To start execution of a program

(b) To include keywords in a program

(c) To include files in a program

(d) None of these

Answer:
Option **(c)**

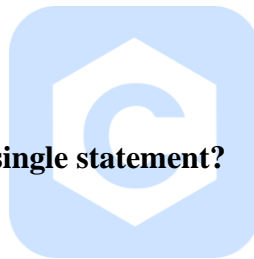64. **Header file is compulsory to include in a C program printing "Hello World"**

(a) True

(b) False

Answer:
Option **(a)**

65. **Which of the following is not a basic data type in C language?**

(a) float

(b) int

(c) real

(d) char

Option **(c)**

66. How many keywords are there in C?

(a) 31

(b) 32

(c) 64

(d) 63

Answer:
Option **(b)**

67. Which of the following is true for variable names in C?

(a) Variable names cannot start with a digit

(b) Variable can be of any length

(c) They can contain alphanumeric characters as well as special characters

(d) Reserved word can be used as a variable name

Answer:
Option **(a)**

68. Character literal in C syntax is?

(a) Z

(b) 'Z'

(c) "Z"

(d) None of these

Answer:
Option **(b)**

69. Choose the correct statement about C escape sequences

(a) \n produces a new line

(b) \t produces one tab space (white spaces)

(c) \b produces one backspace

(d) All of these

Answer:
Option **(d)**

70. Choose a valid C format specifier

(a) %d prints integer constants

(b) %f prints float constants

(c) %c prints character constants

(d) All of these

Answer:
Option **(d)**

71. What is the output?

```
void main()
{
    float a=654.1239;
    printf("%0.3f",a);
}
```

(a) Compiler error

(b) 654.123900

(c) 654.123

(d) 654.124

Answer:
Option **(d)**

72. Choose a C formatted Input-Output function below.

(a) printf(), scanf()

(b) sprintf(), sscanf()

(c) fprintf(), fscanf()

(d) All of these

Answer:
Option **(d)**

73. Multiple variable declarations are separated with

(a) Semicolon (;)

(b) Colon (;)

(c) Comma(,)

(d) None of these

Answer:
Option **(c)**

74. What is the other name of backslash character constants?

(a) Slash characters

(b) Space characters

(c) Escape sequences

(d) None of these

Answer:
Option **(c)**

75. Which operator is used to compare two values?

(a) Logical operator

(b) Relational operator

(c) Assignment operator

(d) None of these

Answer:
Option **(b)**

76. The operator '&' is used as

(a) Logical AND

(b) Bitwise AND

(c) Logical OR

(d) Bitwise OR

Option (b)

77. **Which of the following is a valid relational operator?**

   (a) =

   (b) =>

   (c) ==

   (d) >>

Option (c)

78. **What will be the value of variable a?**
   float a = 3.5 + 4.5;

   (a) a = 8.0

   (b) a = 8

   (c) a = 7

   (d) a = 0.0

Option (a)

79. **What will be the value of variable a?**
   int a = 3.5 + 4.5;

   (a) a = 0

   (b) a = 7

   (c) a = 8

   (d) a = 8.0

Option (c)

80. **Choose a right statement**
   int a = 5/2;
   int b = 5.0/2;
   int c = 5 / 2.0;
   int d = 5.0/2.0;

   (a) a = 2, b = 2, c = 2, d= 2

   (b) a = 2, b = 2.0, c = 2, d= 2.0

   (c) a = 2, b = 2.5, c = 2.5, d= 2.5

   (d) a = 2.5, b = 2.5, c = 2.5, d= 2.5

Option (a)

81. **Choose a right statement.**
   float a = 5/2;
   float b = 5/2.0;
   float c = 5.0/2;
   float d = 5.0/2.0;

(a) a=2.5, b=2.5, c=2.5, d=2.5

(b) a=2, b=2.5, c=2.5, d=2.5

(c) a=2.0, b=2.5, c=2.5, d=2.5

(d) a=2.0, b=2.0, c=2.0, d=2.0

Answer:
Option **(c)**

82. **What will the value of variable a?**
int a = 25%10;

(a) 2.5

(b) 2

(c) 5

(d) Compiler error

Answer:
Option **(c)**

83. **Which of the following is a valid assignment operator?**

(a) +=

(b) -=

(c) *=

(d) All of these

Answer:
Option **(d)**

84. **What will be the value of variable d?**
int a = 10, b = 5, c = 5,d;
d = b + c == a;

(a) Syntax error

(b) 1

(c) 5

(d) 10

Answer:
Option **(b)**

85. **What is the output?**
```
void main()
{
    int a = 10, b = 5, c = 3;
    b != !a;
    c = !!a;
    printf("%d\t%d", b, c);
}
```

(a) 5   1

(b) 0   3

(c) 5   3

(d) 1   1

Answer:

Option **(a)**

86. **What will be the value of variable b?**
int a;
int b;
a=1;
b=a++;

  (a) 1

  (b) 2

  (c) 3

  (d) unknown/undefined

Answer:
Option **(a)**

87. **What will be the value of variable b?**
int a;
int b;
a=1;
b=++a;

  (a) 1

  (b) 2

  (c) 3

  (d) unknown/undefined

Answer:
Option **(b)**

88. **What will be the value of variable z?**
int x=3, y=4;
z = ++x * y++;

  (a) 9

  (b) 12

  (c) 16

  (d) 20

Answer:
Option **(c)**

89. **What will be the output?**
```
void main()
{
    int a=9, b=9;
    a=b++;
    printf("%d %d",a,b);
}
```

  (a) 9,9

  (b) 10,10

  (c) 9,10

  (d) 10,9

Answer:
Option **(c)**

90. **Choose the correct statement about Left Shift Operator <<**

    (a) Left shift operator shifts individual bits on the left side

    (b) When shifting left side, overflow bits are ignored

    (c) Zeroes are filled on the right side

    (d) All of these

Answer:
Option **(d)**

91. **Choose the correct statement about Right Shift Operator >>**

    (a) Right shift operator shifts individual bits on to the right side

    (b) When shifting bits right side, overflow bits on the right are ignored or truncated

    (c) Zeroes are filled on the left side

    (d) All of these

Answer:
Option **(d)**

92. **Which is bit toggling operator below?**
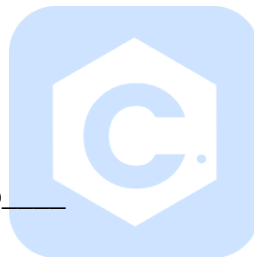
    (a) & Bitwise AND

    (b) | Bitwise OR

    (c) ^ Bitwise exclusive OR

    (d) ~ Bitwise complement

Answer:
Option **(d)**

93. **Left Shift operation is equivalent to____**

    (a) Division by 2

    (b) Multiplying by 2

    (c) Adding 2

    (d) Subtracting 2

Answer:
Option **(b)**

94. **Right Shift operation >> is equivalent to___**

    (a) Multiplying by 2

    (b) Division by 2

    (c) Adding 2

    (d) Subtracting 2

Answer:
Option **(b)**

95. **What will be the value of variable c?**
int c = 2 ^ 3;

    (a) 1

    (b) 8

    (c) 9

    (d) 0

Answer:
Option **(a)**

96. **What will be the value of variable a?**
int a = 6;
a = ~a;

   (a) -6

   (b) 9

   (c) -7

   (d) 6

Answer:
Option **(c)**

97. **An arithmetic expression without parenthesis will be evaluated from left to right**

   (a) True

   (b) False

Answer:
Option **(a)**

98. **In C programming, the statement a=a+1 and a+=1 will produce same result**

   (a) True

   (b) False

Answer:
Option **(a)**

99. **Within an expression, _____ precedence operators will be evaluated first**

   (a) Similar

   (b) Higher

   (c) Lower

   (d) None of these

Answer:
Option **(b)**

100. **What will the value of variable a?**
int a = 4 + 4/2*5 + 20;

   (a) 40

   (b) 4

   (c) 34

   (d) 54

Answer:
Option **(c)**

101. **What will the value of variable a?**
int a = 10 + 5 * 2 * 8 / 2 + 4;

   (a) 124

   (b) 54

   (c) 23

   (d) 404

Answer:
Option (b)

102. **What will the value of variable a?**
int a = 4 + 5/2*10 + 5;

(a) 29

(b) 5

(c) 4

(d) 34

Answer:
Option (a)

103. **What will the value of variable a?**
int a = 10 + 2 * 12 /(3*2) + 5;

(a) 31

(b) 19

(c) 11

(d) 29

Answer:
Option (b)

104. **Which of the following correctly shows the hierarchy of arithmetic operations in C?**

(a) / + * -

(b) * - / +

(c) / * + -

(d) + - / *

Answer:
Option (c)

105. **In the following expression guess the correct order of execution of operator**
z = x - y / z * 1 % 2 + 1

(a) / * % - + =

(b) * / % - + =

(c) = / * - % +

(d) = / * % - +

Answer:
Option (a)

106. **What is the output?**

```
void main()
{
    int i=0, j=1, k=2, m;
    m = i++ || j++ || k++;
    printf("%d %d %d %d", m, i, j, k);
}
```

(a) 1 1 2 3

(b) 1 1 2 2

(c) 0 1 2 2

(d) 0 1 2 3

Option **(b)**

107. **What is the output?**

```
void main()
{
    int x = 1, y = 2;
    printf("%d", x, y);
}
```

(a) 1 2

(b) 1

(c) 2

(d) Error

Option **(b)**