

1.	Pentium computer is an example for			
	A)	Notebook	B)	Microcomputer
	C)	Hybrid Computer	D)	Supercomputer
2.	A Computer program that converts assembly language to machine language is called			
	A)	Compiler	B)	Linker
	C)	Assembler	D)	Translator
3.	FORTRAN is an example of			
	A)	High level language	B)	Machine language
	C)	Assembly language	D)	Compiler language
4.	Information provided by user to computer is called			
	A)	Data	B)	Output
	C)	Compute	D)	
5.	A computer in which data is recognized as a continuous measurement of a physical property like voltage is called			
	A)	Supercomputer	B)	Laptop
	C)	Analog computer	D)	Hybrid computer
6.	Computers used for a specific job are called			
	A)	Hybrid computers	B)	Digital computers
	C)	Special purpose computers	D)	Mainframe
7.	PARAM is an example of			
	A)	Super computer	B)	Mainframe
	C)	Hybrid computer	D)	Notebook
8.	Step by step procedure to solve a give problem is called			
	A)	Flowchart	B)	Algorithm
	C)	Machine program	D)	Compiler
9.	The ways that specific words and symbols are used by each language is called			
	A)	Program	B)	Algorithm
	C)	Syntax	D)	Grammar
10.	The process of putting together all the external references that are required by the program is called			
	A)	Translation	B)	Compilation
	C)	Coding	D)	Linking
11.	The process of correcting errors in a program is called			
	A)	Debugging	B)	Testing
	C)	Coding	D)	Linking
12.	Why does a Machine language program run faster?			
	A)	It's easy to program	B)	No Translation is needed
	C)	Easy to debug	D)	Debugging is easy
13.	Which of the following is an example for IDE			
	A)	Assembler	A)	Compiler
	C)	Code Blocks	C)	Linux
14.	The interface between hardware and user is			
	A)	Editor	B)	OS
	C)	File	D)	Pointer
15.	Which of the following is an Input device?			

A)	Keyboard	B)	Speaker
C)	Printer	D)	CPU

1.	Which of the following is not a valid C variable name?		
	A) int number;	B)	float rate;
	C) int variable_count;	D)	int \$main;
2.	Which of the following is true for variable names in C?		
	A) They can contain alphanumeric characters as well as special characters	B)	It is not an error to declare a variable to be one of the keywords
	C) Variable names cannot start with a digit	D)	Variable can be of any
3.	Which keyword is used to prevent any changes in the variable within a C program?		
	A) immutable	B)	mutable
	C) const	D)	volatile
4.	Property which allows to produce different executable for different platforms in C is called?		
	A) File inclusion	B)	Selective inclusion
	C) Conditional compilation	D)	Recursive macros
5.	What is #include <stdio.h>?		
	A) Preprocessor directive	B)	Inclusion directive
	C) File inclusion directive	D)	None of the
6.	The C-preprocessors are specified with _____ symbol.		
	A) #	B)	\$
	C) “ “	D)	&
7.	What will be the output of the following C code?		

<pre> 1. #include <stdio.h> 2. int main() 3. { 4. int y = 10000; int y = 34; 5. printf("Hello World! %d\n", y); return 0; 6. } 7. 8. </pre>			
A)	Compile time error	B)	Hello World! 34
C)	Hello World! 1000	D)	Hello World! followed by a junk value
8. Which of the following is not a data type?			
A)	Symbolic Data	B)	Alphanumeric Data
C)	Numeric Data	D)	Alphabetic Data
9. What are the entities whose values can be changed called?			
A)	Constants	B)	Variables
C)	Modules	D)	Tokens
10. Which of the following are tokens in C?			
A)	Keywords	B)	Variables
C)	Constants	D)	All of the above
11. C programs are converted into machine language with the help of			
A)	An Editor	B)	A compiler
C)	An operating system	D)	None of the above
12. What is C Tokens?			
A)	The smallest individual units of c program	B)	The basic element recognized by the compiler
C)	The largest individual units of program	D)	A & B Both
13. What is Keywords?			
A)	Keywords have some predefine meanings and these meanings can be changed.	A)	Keywords have some unknown meanings and these meanings cannot be changed.
C)	Keywords have some predefine meanings and these meanings cannot be changed.	C)	None of the above

14.	What is constant?			
	A)	Constants have fixed values that do not change during the execution of a program	B)	Constants have fixed values that change during the execution of a program
	C)	Constants have unknown values that may be change during the execution of a program	D)	None of the above
15.	Which escape character can be used to begin a new line in C?			
	A)	\a	B)	\b
	C)	\m	D)	\n

1.	Which arithmetic operator in C is used to find the remainder of division operation			
	A)	%	B)	/
	C)	mod	D)	rem
2.	What is the value of 'y' after the evaluating the following expression? $y=5+(-4)*6/3\%2$			
	A)	1	B)	2
	C)	0	D)	5
3.	What is the value of 'z' after the following code is executed? int x = 3, z; z = x++ + ++x;			
	A)	7	B)	8
	C)	9	D)	10
4.	What is the value of 'result' after the following code is executed? int num = 20, result; result = (num % 2 == 0) ? num / 2 : num * 2;			
	A)	10	B)	20
	C)	40	D)	60
5.	What is the value of 'y' after the following code is executed? int x = 3, y; y=x/++x;			
	A)	2	B)	0
	C)	1	D)	3
6.	What is the value of 'y' after the following code is executed? int x = 10, y=20; x=!x; y=!x (y ==y);			
	A)	0	B)	1
	C)	10	D)	20
7.	When an expression involves following types of operators, what is the order of evaluation? 1. Relational 2. Logical 3. Assignment			
	A)	1,2,3	B)	2,1,3
	C)	3,2,1	D)	1,3,2
8.	What is the value of 'a' after the following code is executed? int a = 5, y; y=a-- + ++a;			

	A)	5	B)	6
	C)	4	D)	11
9.	What is the value of 'a' after the following code is executed? int x=8, a=4, b=3, c=2; a--a*x-b/a++*c;			
	A)	20	B)	24
	C)	23	D)	22
10.	Which expression extracts last digit from a three-digit number?			
	A)	num%10	B)	num/10
	C)	num/100	D)	num%100
11.	What is the equivalent arithmetic expression for bitwise expression n<<1?			
	A)	n+2	B)	n-2
	C)	n*2	D)	n/2
12.	What is the value of 'z' after the following code is executed? int x = 3, y=3, z=3; z--x-- --y;			
	A)	5	B)	6
	C)	7	D)	8
13.	What is the value of 'j' after the following code is executed? int i = 3, j; j=++i*++i*++i;			
	A)	120	A)	216
	C)	126	C)	Error
14.	What is the value of 'z' after the following code is executed? int x = 3, y=4, z=4; z=(z>=y>=x)?100:200			
	A)	100	B)	200
	C)	1	D)	0
15.	What is the value of 'z' after the following code is executed? int x = -1, y=1, z=2; z=++x && ++y ++z;			
	A)	1	B)	0
	C)	3	D)	Error
16.	Which of the following is an example of a compounded assignment statement?			
	A)	a=5	B)	a+=5
	C)	a=b=c	D)	a=b
17.	The associativity of ! Operator is			
	A)	Right to Left	B)	Left to Right
	C)	Either A or B	D)	None
18.	Which operator has the lowest priority?			
	A)	++	B)	%
	C)	+	D)	
19.	Which operator has the highest priority?			
	A)	++	B)	%
	C)	+	D)	
20.	Operators have precedence. Precedence determines which operator is			
	A)	faster	B)	takes less memory
	C)	evaluated first	D)	takes no arguments
21.	Integer Division results in			
	A)	Rounding the fractional part	B)	Truncating the fractional part
	C)	Floating value	D)	Reminder
22.	What will be the output of the expression 11 ^ 5 ^ 2?			
	A)	12	B)	3

	C)	6	D)	11
23.	The type cast operator is			
	A)	sizeof()	B)	(type)
	C)	cast()	D)	None
24.	The operator + in a+=4 means			
	A)	a=a+4	B)	a+4=a
	C)	a=4	D)	a=4+4

1.	Which of the following operators is used to perform a bitwise right shift?			
	A)	<<	B)	>>
	C)	&	D)	
2.	If x = 5, what will be the value of x << 2?			
	A)	10	B)	20
	C)	15	D)	25
3.	What will be the output of the following C code? <pre>#include <stdio.h> void main() { int k = 8; int m = 7; k < m ? k++ : m = k; printf("%d", k); }</pre>			
	A)	7	B)	8
	C)	Compile time error	D)	Run time error
4.	What will be the data type of the following expression? (Initial data type: a = int, var1= double, var2 = float) expression (a < 50)? var1 : var2;			
	A)	int	B)	float
	C)	double	D)	Cannot be determined
5.	Which of the following arithmetic operator takes only integer operands?			
	A)	+	B)	-
	C)	/	D)	%
6.	Which of the following operator has the lowest priority?			
	A)	&&	B)	+
	C)	*	D)	!=
7.	What will be the output of the following C code? <pre>#include <stdio.h> int main()</pre>			

	<pre> { int n = 8; n = n / 3; printf("%d", n); return 0; } </pre>			
	A)	2	B)	1
	C)	3	D)	Compile-time error
8.	<p>What will be the result of the following expression if a = 6, b = 3, and c = 4?</p> $(a * b - c) / (b + c \% a) + (a \% b * c)$			
	A)	7	B)	8
	C)	6	D)	10
9.	<p>What will be the result of the following expression if x = 10 and y = 4?</p> $(x / y) == 2 \ \&\& \ (x \% y) > 0$			
	A)	True	B)	False
	C)	10	D)	20
10.	<p>What will be the result of the following expression if p = 7 and q = 10?</p> $(p + q) > 15 \ \ (p - q) < 0$			
	A)	True	B)	False
	C)	15	D)	10
11.	<p>What will be the output of the following code snippet using the sizeof operator?</p> <pre> #include <stdio.h> int main() { int a; double b; printf("%lu %lu", sizeof(a), sizeof(b)); return 0; } </pre>			
	A)	4 8	B)	8 4
	C)	4 4	D)	8 8
12.	<p>What will be the result of the following C code snippet using the comma operator?</p> <pre> #include <stdio.h> int main() { int x = 1, y = 2; int z = (x++, y++); printf("%d %d %d", x, y, z); return 0; } </pre>			
	A)	2 3 2	B)	2 3 3
	C)	1 2 1	D)	2 2 2
13.	<p>What will be the result of the following C expression?</p>			

	<pre>int x = 15; int y = 9; int z = x ^ y; //bitwise xor</pre>			
	A)	6	A)	12
	C)	5	C)	3
14.	<p>Which of the following operators is right-associative?</p> <p>a) + (addition)</p> <p>a) * (multiplication)</p> <p>b) - (subtraction)</p> <p>c) ?: (ternary conditional)</p>			
	A)	+	B)	*
	C)	-	D)	?:

1.	What is the purpose of an if statement in C?			
	A)	To iterate over a block of code	B)	To declare a variable
	C)	To execute a block of code conditionally	D)	To define a function
2.	What is a switch case statement used for in C?			
	A)	To define constants	B)	To perform different actions based on different conditions
	C)	To create loops	D)	To declare variables
3.	How can multiple conditions be combined in an if statement in C?			
	A)	Using the '+' operator	B)	Using the '&&' and ' ' operators
	C)	By nesting if statements	D)	By separating conditions with commas
4.	Can the else if ladder be used instead of the switch case in C?			
	A)	Yes	B)	No
	C)	Only in certain cases	D)	Only if there are less than 3 cases
5.	#include <stdio.h>			

<pre> void main() { char *ch; printf("enter a value between 1 to 3"); scanf("%s", ch); switch (ch) { case "1": printf("1"); break; case "2": printf("2"); break; } } </pre>			
A)	1	B)	2
C)	Compile time error	D)	No compile time error
6. is the built in multiway decision statement in C.			
A)	for	B)	switch
C)	if	D)	while
7. What will be the output of the following program?			
<pre> #include<stdio.h> int main() { int a=300, b, c; if(a>=400) b=300; c=200; printf("%d%d\n", b, c); return 0; } </pre>			
A)	Garbage value, Garbage value	B)	300, 200
C)	200, 300	D)	Garbage value, 200
8. What will be the output of the following C code? (Assuming that we have entered the value 1 in the standard input)			
<pre> #include <stdio.h> void main() { int ch; printf("enter a value between 1 to 2:"); scanf("%d", &ch); switch (ch, ch + 1) </pre>			

<pre> { case 1: printf("1\n"); break; case 2: printf("2"); } } </pre>			
A)	1	B)	2
C)	3	D)	Run time error
9. Which one is true about the break statement in a switch case statement?			
A)	To skip the current case	B)	To end the program
C)	To exit the switch case statement	D)	To exit the loop
10. Read following program and find output of the following code? int p = 15;			
<pre> if (p > 3) { printf("p is greater than 3\n"); } else { printf("p is not greater than 3\n"); } </pre>			
A) B) C) D)			
A)	p is greater than 3	B)	p is not greater than 3
C)	15	D)	Compilation error
11. In a switch statement, what happens if no break statement is used after a case block?			
A)	The program will terminate	B)	The next case block will be executed
C)	The switch statement will end	D)	The default case will be executed
12. Which of the following statements is true regarding nested if statements?			
A)	Nested if statements can have multiple else blocks.	B)	Nested if statements are not allowed in C.
C)	The else block must match the nearest preceding if statement.	D)	Nested if statements must always have a default block.

13.	What is the correct syntax for an else if ladder in C?			
	A)	else (condition) { statements }	A)	if (condition) { statements } else if { statements }
	C)	if (condition) { statements } else if (condition) { statements } else { statements }	C)	else if (condition) statements;
14.	<p>7) What will be the output of the following C code?</p> <pre> int x = 3; switch (x) { case 1: printf("One"); break; case 2: printf("Two"); break; case 3: printf("Three"); default: printf("Default case"); } </pre>			
	A)	One	B)	Two
	C)	Three	D)	Default case
15.	What happens when none of the case values match the expression in a switch statement, and no default case is provided?			
	A)	The first case is executed by default.	B)	The switch statement is ignored, and the next statement after switch is executed.
	C)	A compilation error occurs.	D)	The program terminates.

1.	Which of the following statements is true about the goto statement in C?			
	A)	It can be used to jump to a specific line in a function.	B)	It can be used to jump to a label within a different function.
	C)	It can be used to jump to a specific location in the code by using a label.	D)	It can be used to exit from a loop or switch statement.

2.	<pre>#include <stdio.h> int main() { int i = 0; while (i < 5) { if (i == 2) { break; } printf("%d ", i); i++; } return 0; }</pre> <p>What is the output of the code?</p>	<table><tr><td>A)</td><td>0 1 2</td><td>B)</td><td>0 1</td></tr><tr><td>C)</td><td>0 1 2 3 4</td><td>D)</td><td>0 1 2 3</td></tr></table>	A)	0 1 2	B)	0 1	C)	0 1 2 3 4	D)	0 1 2 3
A)	0 1 2	B)	0 1							
C)	0 1 2 3 4	D)	0 1 2 3							
3.	<p>In which scenario would you use the continue statement?</p>	<table><tr><td>A)</td><td>To exit from a loop early and execute the code after the loop.</td><td>B)</td><td>To skip the remaining statements in the current iteration of a loop and proceed to the next iteration.</td></tr><tr><td>C)</td><td>To jump to a specific line of code unconditionally.</td><td>D)</td><td>To break out of a loop or switch statement.</td></tr></table>	A)	To exit from a loop early and execute the code after the loop.	B)	To skip the remaining statements in the current iteration of a loop and proceed to the next iteration.	C)	To jump to a specific line of code unconditionally.	D)	To break out of a loop or switch statement.
A)	To exit from a loop early and execute the code after the loop.	B)	To skip the remaining statements in the current iteration of a loop and proceed to the next iteration.							
C)	To jump to a specific line of code unconditionally.	D)	To break out of a loop or switch statement.							
4.	<pre>int main() { int x = 0; while (x < 5) { if (x == 3) { x++; continue; } printf("%d ", x); x++; } return 0; }</pre> <p>What is the output of the code?</p>	<table><tr><td>A)</td><td>0 1 2 3 4</td><td>B)</td><td>0 1 2 4</td></tr><tr><td>C)</td><td>0 1 2 3</td><td>D)</td><td>0 1 2 3 4 5</td></tr></table>	A)	0 1 2 3 4	B)	0 1 2 4	C)	0 1 2 3	D)	0 1 2 3 4 5
A)	0 1 2 3 4	B)	0 1 2 4							
C)	0 1 2 3	D)	0 1 2 3 4 5							
5.	<pre>#include <stdio.h> int main() { int i; for (i = 0; i < 10; i++) { if (i == 5) { break; } printf("%d ", i); }</pre>									

	<pre>printf("Loop ended.\n"); return 0; }</pre> <p>What is the output of the code?</p>			
	A)	0 1 2 3 4 5 Loop ended	B)	0 1 2 3 4 Loop ended
	C)	0 1 2 3 4 5 6 7 8 9 Loop ended	D)	Loop ended
6.	<pre>#include <stdio.h> int main() { int if (i == 3) { break; } printf("%d ", i); } return 0; }</pre> <p>What is the output of the code?</p>			
	A)	0 1 2 3	B)	0 1 2
	C)	1 2 3	D)	0 1 2 3 4
7.	Which of the following loops is guaranteed to execute at least once?			
	A)	for loop	B)	while loop
	C)	do-while loop	D)	None
8.	<pre>#include <stdio.h> int main() { int i; for (i = 0; i < 3; i++) { printf("%d ", i); if (i == 1) { continue; } printf("Hello "); } return 0; }</pre> <p>What is the output of the code?</p>			
	A)	0 Hello 1 2 Hello	B)	0 Hello 1 2
	C)	0 Hello 1 Hello 2 Hello	D)	0 Hello 1 Hello 2 Hello 3 Hello
9.	<p>How many times will the following do-while loop execute?</p> <pre>#include <stdio.h> int main() { int i = 5; do { i++; } while (i < 5); printf("%d\n", i); return 0; }</pre>			

What is the output of the code?			
A)	0	B)	1
C)	5	D)	Infinite times
10.	<pre>#include <stdio.h> int main() { int i; for (i = 3; i > 0; i--) { printf("%d ", i); if (i == 2) { break; } } return 0; }</pre>		
A)	3 2	B)	3 2 1
C)	3 2 1 0	D)	3 2 1
11.	Which of the following statements is true?		
A)	for loop is faster than while loop	B)	while loop is faster than for loop
C)	do-while loop is faster than both for and while loops	D)	There is no difference in execution speed between for, while, and do-while loops
12.	Consider the following code snippet. What will be the value of 'x' after the loop finishes? <pre>int x = 0; for (int i = 0; i < 5; i++) { x += i; }</pre>		
A)	5	B)	10
C)	15	D)	20
13.	Which loop checks the condition after executing the loop body?		
A)	for loop	B)	while loop
C)	do-while loop	D)	None of the above
14.	Which loop is most suitable when the number of iterations is known in advance?		
A)	for loop	B)	while loop
C)	do-while loop	D)	All of the above
15.	What is the purpose of the else clause in an if-else statement?		

	A)	To check another condition	B)	To execute a block of code when the if condition is false
	C)	To end the program	D)	To repeat the if block