

D. switch

Ans : D

3. Which keyword can be used for coming out of recursion?

A. return

B. break

C. exit

D. both A and B

Ans : A

4. goto can be used to jump from main to within a function?

A. TRUE

B. FALSE

C. May Be

D. Can't Say

Ans : B

5. Which of the following is an invalid if-else statement?

A. `if (if (a == 1)) {}`

B. `if (a) {}`

C. `if ((char) a) {}`

D. `if (func1 (a)) {}`

Ans : A

6. Switch statement accepts.

A. int

- B. char
- C. long
- D. All of the above

Ans : D

7. Which loop is guaranteed to execute at least one time.

- A. for
- B. while
- C. do while
- D. None of the above

Ans : C

8. A labeled statement consist of an identifier followed by

- A. ;
- B. :
- C. ,
- D. =

Ans : B

9. do-while loop terminates when conditional expression returns?

- A. One
- B. Zero
- C. Non - zero
- D. None of the above

Ans : B

10. $c = (n) ? a : b$; can be rewritten as $\text{exp1} ? \text{exp2} : \text{exp3}$;

- A. `if(n){c = a;}else{c = b;}`
- B. `if(!n){c = a;}else{c = b;}`
- C. `if(n){c = b;}else{c = a;}`
- D. None of the above

Ans : A

11. The C code 'for(;;)' represents an infinite loop. It can be terminated by _____

- a) break
- b) exit(0)
- c) abort()
- d) terminate

Answer: a

12. What will be the correct syntax for running two variable for loop simultaneously?

a)

```
for (i = 0; i < n; i++)  
for (j = 0; j < n; j += 5)
```

b)

```
for (i = 0, j = 0; i < n, j < n; i++, j += 5)
```

c)

```
for (i = 0; i < n; i++) {}  
for (j = 0; j < n; j += 5) {}
```

d) none of the mentioned

Answer: b

13. Which for loop has a range of similar indexes of 'i' used in for (i = 0; i < n; i++)?

a) for (i = n; i > 0; i--)

b) for (i = n; i >= 0; i--)

c) for (i = n-1; i > 0; i--)

d) for (i = n-1; i > -1; i--)

Answer: d

14. Which of the following cannot be used as LHS of the expression in for (exp1; exp2; exp3)?

a) variable

b) function

c) typedef

d) macros

Answer: d

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

```
1. #include <stdio.h>
2. int main()
3. {
4.     short i;
5.     for (i = 1; i >= 0; i++)
6.         printf("%d\n", i);
```

```
7.  
8. }
```

- a) The control won't fall into the for loop
- b) Numbers will be displayed until the signed limit of short and throw a runtime error
- c) Numbers will be displayed until the signed limit of short and program will successfully terminate
- d) This program will get into an infinite loop and keep printing numbers with no errors

Answer: c

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

```
1. #include <stdio.h>  
2. void main()  
3. {  
4.     int k = 0;  
5.     for (k)  
6.         printf("Hello");  
7. }
```

- a) Compile time error
- b) hello
- c) Nothing
- d) Varies

Answer: a

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

```
1. #include <stdio.h>  
2. void main()  
3. {
```

```
4.   int k = 0;
5.   for (k < 3; k++)
6.   printf("Hello");
7.   }
```

- a) Compile time error
- b) Hello is printed thrice
- c) Nothing
- d) Varies

Answer: a

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

```
1.   #include <stdio.h>
2.   void main()
3.   {
4.       double k = 0;
5.       for (k = 0.0; k < 3.0; k++)
6.           printf("Hello");
7.   }
```

- a) Run time error
- b) Hello is printed thrice
- c) Hello is printed twice
- d) Hello is printed infinitely

Answer: b

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