1. …………………….. statement provides an easy way to dispatch execution to different parts of your code based on the value of an expression.  
A) if-else  
B) switch  
C) if  
D) while

2. State whether the following statements about switch statement are correct.  
i) Switch statement often provides a better alternative than a large series of if-else-if statements.  
ii)The break statement is used inside the switch to terminate a statement sequence.  
A) True, False  
B) False, True  
C) True, True  
D) False, False

3. The conditional statement, ………………. can only test for equality, whereas ……………….  can evaluate any type of Boolean expression.  
A) if, switch  
B) switch, if  
C) while, if  
D) if, while

4. What will be the output of the following code snippet?

int a=15;  
int b=25;  
if ((a<b) || (a=5)>15)  
   system.out.println(a);  
else  
   system.out.println(b);

A) Error  
B) 15  
C) 25  
D) No output

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

int x, y;  
x=15; y=20;  
if (x>15)  
   if(y>15)  
       {  
           system.ptintln(“y is  “+y);  
        }  
   else  
         system.out.ptintln(“x is “+x);

A) Error  
B) y is 20  
C) x is 15  
D) No output

6. In while and do-while loops, a ………………… statement causes control to be transferred  directly to the conditional  expression that controls the loop.  
A) break  
B) pause  
C) start  
D) continue

7. State whether the following statements about switch statement are True or False.  
i) No two case constants in the same switch can have identical values.  
ii) A switch statement is usually more efficient than a set of nested ifs.  
A) True, False  
B) False, True  
C) True, True  
D) False, False

8. State whether the following statements about conditional statements are True or False.  
i) The break statement is required in the default case of a switch selection structure.  
ii) A variable declared inside the for loop control cannot be reference outside the loop.  
A) True, False  
B) False, True  
C) True, True  
D) False, False

9. Which of the following control expressions are valid for an if statement?  
A) an integer expression  
B) a Boolean expression  
C) either A or B  
D) Neither A or B

10. In the following code snippet, which lines of code contain error?

1. int j=0;  
2. while (j<10){  
3. j++;  
4. if (j==5) continue loop;  
5. system.out.ptintln(“j is ” +j);}

A) Line 2  
B) Line 3  
C) Line 4  
D) Line 5

11.  State output of the following code

int x=20;  
int y=10;  
if(x>y)  
   {  
       if (y>10)  
       system.out.println(“y is “+y);  
   }  
else  
     system.out.println(“x is  “+x);

A) Error  
B) x is 20  
C) y is 10  
D) No output

12. By using …………………….., you can force immediate termination of loop, bypassing the conditional expression and any remaining code in the body of the loop.  
A) switch  
B) break  
C) continue  
D) default

13. The ………………………. loop is especially useful when you process a menu selection.  
A) while  
B) do-while  
C) for  
D) switch

14.  If you need to select among a large group of values, a switch statement will run much faster than the equivalent logic coded using ……………….. statement.  
A) if  
B) if-else  
C) do-while  
D) while

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

int j=50;  
while(true)  
{  
  if(j<10)  
     break;  
     j=j-10;  
 }  
system.out.ptintln(“j is  “+j);

A) Error  
B) j is 0  
C) j is 50  
D) No output

16. Here is a segment of a program

x=1;  
y=1;  
 if(n>0)  
  x=x+1;  
  y=y-1;

what will be the values of x and y if n=1.  
A) x=1, y=1  
B) x=0, y=2  
C) x=2, y=1  
D) x=2, y=0

17. The ………………. is an optional case, when it will be executed if the value of the expression does not match with any of the case values.

A) switch  
B) break  
C) continue  
D) default

18. The ……………………… statement at the end of each block signals the end of a particular case and causes an exit from the switch statement, transferring the control to the statement following the switch.  
A) switch  
B) break  
C) continue  
D) default

19. The ………………… statement tests the value of a given variable against a list of case values and when a match is found, a block of statements associated with that case is executed.  
A) switch  
B) break  
C) continue  
D) default

20. State whether the following statements for if statement are True or False.  
i) When if statements are nested, the last else gets associated with the nearest if without an else.  
ii) One if can have more than one else clause.  
A) True, False  
B) False, True  
C) True, True  
D) False, False

**Answers**

1. B) switch  
2. C) True, True  
3. B) switch, if  
4. B) 15  
5. C) x is 15  
6. D) continue  
7. C) True, True  
8. B) False, True  
9. B) a Boolean expression  
10. A) Line 2

11. D) No output  
12. B) break  
13. B) do-while  
14. B) if-else  
15. B) j is 0  
16. D) x=2, y=0  
17. D) default  
18. B) break  
19. A) switch  
20. C) True, True