Programming Test

1. Which of the following feature is not provided by C?  
a) Pointers b) Structures c) References d) Functions

2. Which of the following type is provided by C++ but not C?  
a) int b) bool c) float d) double

3. Wrapping data and its related functionality into a single entity is known as \_\_\_\_\_\_\_\_\_\_\_\_\_  
a) Abstraction b) Encapsulation c) Polymorphism d) Modularity

4. What does modularity mean?  
a) Hiding part of program  
b) Subdividing program into small independent parts  
c) Overriding parts of program  
d) Wrapping things into single unit

5. Which of the following supports the concept that reusability is a desirable feature of a language?  
a) It reduces the testing time  
b) It reduces maintenance cost  
c) It decreases the compilation time  
d) It reduced both testing and maintenance time

6. Which of these is necessary condition for automatic type conversion in Java?  
a) The destination type is smaller than source type  
b) The destination type is larger than source type  
c) The destination type can be larger or smaller than source type  
d) None of the mentioned

7. Generics does not work with?  
a) Set  
b) List  
c) Tree  
d) Array

8. When Overloading does not occur?  
a) More than one method with same name but different method signature and different number or type of parameters  
b) More than one method with same name, same signature but different number of signature  
c) More than one method with same name, same signature, same number of parameters but different type  
d) More than one method with same name, same number of parameters and type but different signatur

9. What will be the output of the following Java program?

Class Equality{

int x,y;

boolean isEqual()

{

return(x==y);

}

}

class Output{

public static void main(String[] args){

Equality eq=new Equality();

eq.x=10;

eq.y=10;

System.out.println(eq.isEqual());

}

}

1. False
2. True
3. 0
4. 1

10. Abstract class cannot have a constructor.  
a) True  
b) False

11. What happens if constructor of class A is made private?  
a) Any class can instantiate objects of class A  
b) Objects of class A can be instantiated only within the class where it is declared  
c) Inherited class can instantiate objects of class A  
d) classes within the same package as class A can instantiate objects of class A

12. All the variables of interface should be?  
a) default and final  
b) default and static  
c) public, static and final  
d) protect, static and final

13. What is true of final class?  
a) Final class cause compilation failure  
b) Final class cannot be instantiated  
c) Final class cause runtime failure  
d) Final class cannot be inherited

14. Which of these is not a correct statement?  
a) Every class containing abstract method must be declared abstract  
b) Abstract class defines only the structure of the class not its implementation  
c) Abstract class can be initiated by new operator  
d) Abstract class can be inherited

15. What is the relation between hashset and hashmap?  
a) HashSet internally implements HashMap  
b) HashMap internally implements HashSet  
c) HashMap is the interface; HashSet is the concrete class  
d) HashSet is the interface; HashMap is the concrete class

16. What will be the output of the following Java program ?

Import java.util.\*;

class Array{

public static void main(String[] args){

int[] array=new int[5];

for(int i=5;i>0;i--)

{

array[5-i]=I;

}

Arrays.sort(array);

for(int i=0;i<5;++i)

{

System.out.print(array[i]);

}

}

}

a) 12345  
b) 54321  
c) 1234  
d) 5432

17. Which of the following is advantage of using JDBC connection pool?  
a) Slow performance  
b) Using more memory  
c) Using less memory  
d) Better performance

18. Servlet are used to program which component in a web application?  
a) client  
b) server  
c) tomcat  
d) applet

19. Which one is the correct order of phases in JSP life cycle?  
a) Initialization, Cleanup, Compilation, Execution  
b) Initialization, Compilation, Cleanup, Execution  
c) Compilation, Initialization, Execution, Cleanup  
d) Cleanup, Compilation, Initialization, Execution

20. Which of the following is not an advantage of using Hibernate Query Language?  
a) Database independent  
b) Easy to write query  
c) No need to learn SQL  
d) Difficult to implement