1. **………………… is one of the cornerstones of object-oriented programming because it allows the creation of hierarchical classifications.  
   A) Mutual Exclusion  
   B) Inheritance  
   C) Package  
   D) Interface**
2. **……………….. helps to extend the functionality of an existing by adding more methods to the subclass.  
   A) Mutual Exclusion  
   B) Inheritance  
   C) Package  
   D) Interface**
3. **The variables, methods and inner classes that are declared ………………… are accessible to the sub-classes of the class in which they are declared.  
   A) private  
   B) public  
   C) protected  
   D) friend**
4. **State whether the following statements about the advantages of organizing classes into packages are True or False.  
   i) Two classes in two different packages can not have the same name.  
   ii) The classes contained in the packages of other programs can be easily reused.  
   A) True, False  
   B) False, True  
   C) True, True  
   D) False, False**
5. **………………….. package in java contents language utility classes such as vectors, hash tables, random numbers date etc.  
   A) java.util  
   B) java.awt  
   C) java.net  
   D) java.lang**
6. **…………………….. package in java contents set of classes for implementing graphical user interface, which includes classes for windows, buttons, lists, menus and so on.  
   A) java.util  
   B) java.awt  
   C) java.net  
   D) java.lang**
7. **State whether the following statements are True or False.  
   i) When present, package must be the first non-comment statement in the file.    
   ii) When we implement an interface method, it should be declared as public.  
   A) True, False  
   B) False, True  
   C) True, True  
   D) False, False**

**8. Which keyword can protect a class in a package from accessibility by the classes outside the package.  
i) private              ii) protected                 iii) final   
A) i only  
B) ii only  
C) iii only  
D) None of the above**

**9. A package is a collection of  
A) Classes  
B) interfaces  
C) editing tools  
D) classes and interfaces**

**10. Package P1 contains the following code**

***package P1;  
public class student {Body of Student}  
Class Test {Body of Test}***

**Now consider the following code;**

***import P1.\*;  
Class Result{  
student S1;  
Test t1;  
}***

**This code compile because  
A) Class result should be declared public.  
B) Student class is not available  
C) Test class is not available  
D) Result body is not fully defined**

**1. B) Inheritance  
2. B) Inheritance  
3. C) protected  
4. B) False, True  
5. A) java.util  
6. B) java.awt  
7. C) True, True  
8. D) None of the above  
9. D) classes and interfaces  
10. C) Test class is not available**