

## MANTHLY TEST AUG 2017

### Informatics Practices

### Question Bank

#### Slow Bloomers

- 1. Which Keyword can protect a class in a package from accessibility by the classes outside the package?**  
(a) Private (b) Protected (c) Final (d) Don't use any keyword at all (make it default).  
**Ans:** (d)Don't use any keyword at all (make it default).
- 2. We would like to make a member of a class visible in all subclasses regardless of what package they are in. which one of the following keywords would achieve this?**  
(a) Private (b) Protected (c) Public (d) Private protected.  
**Ans:** (d)Private protected.
- 3. The use of protected keyword to a member in a class will restrict its visibility as follows:**  
(a) Visible only in the class and its subclass in the same package  
(b) Visible only inside the same package  
(c) Visible in all classes in the same package and subclasses in other packages  
(d) Visible only in the class where it is declared.  
**Ans:** (c)Visible in all classes in the same package and subclasses in other packages
- 4. What is an accessor method?**  
**Ans.** Acessor Method are used to return the value of private memebrs.
- 5. Why is a StringBuffer class considered more flexible than String class?**  
**Ans.** StringBuffer class considered more flexible than string class because String class creates the strings of fixed length whereas stringBuffer class creates the strings of flexible length where we can modify the contents of a string both content and size.

#### What is the value of the following

- 6. String str="KV".concat("ONGC")**  
**Ans** KVONGC
- 7. String str ="Dehradun".length()**  
**Ans** 8

8. **String str =Integer.toString(1235)**  
**Ans**            **“1235”**
9. **String str=“Malyalam”.equals(“Delhi”)**  
**Ans**            **false**
10. **System.out.print(“”+Math.sqrt(64));**  
**Ans**            **8**

### **Bloomers**

1. **Which of the following keywords are used to control access to a class member?**  
**(a) Default (b) Abstract (c) Protected (d) Interface (e) Public.**
2. **The default package is a package without any name and is imported for you. (T/F)**  
**Ans:** True
3. **Which command creates a package in java?**  
**Ans:** import
4. **What is friendly access of class members?**  
**Ans** A friendly access of class members can access all data of a class including private and protected data.The default access specifier is friendly, but it is not a keyword.
5. **What is public access of class members?**  
**Ans:** The data members and methods having public as access specifier can be accessed by the class objects created outside the class.

### **Write the value for the following**

6. **Char str=“Computer”.charAt(3)**  
**Ans.**            **‘p’**
7. **String str=“Kendriya Vidyalaya.subString(8)**  
**Ans**            **Vidyalaya**
8. **int str=“Computer”.indexOf(‘p’)**  
**Ans**            **3**
9. **String str=“Naw Dalhi”.replace(‘a’,‘e’)**  
**Ans**            **New Delhi**
10. **String str=“    Informatics Prcatices    ”.trim();**  
**Ans**            **Informatics Practices**

## High Achievers

**1. How are private members different from public members of a class?**

**Ans:** A public member may be accessed by any class. A private member may only be accessed by the class in which it is contained.

**Example:**

```
// class A contains both a public int and a private int
class A {
    public int publicNumber = 0;
    private int privateNumber = 0;
}
:
:
:
```

**2. What is java library? Give some examples.**

**Ans.** A set of ready-made software routines (class definitions) that can be reused in new programs, is called a **Library**.

**Example** – /math library, String library, utilities library, IO (Input-Output) library etc.

**3. How many different classes are available in java to work with character data?**

**Ans.** There are three different classes are available in java to work with character data.

1. Character class 2. String class 3. StringBuffer class

**4. Name some methods which are members of StringBuffer class but not in String class.**

**Ans.** append() method

**5. int str= String.valueOf("3617")**

**Ans**           **3617**

**6. System.out.print(""+Math.pow(8,2));**

**Ans**           **64**

**7. System.out.print(""+Math.round(15.62))**

**Ans**           **16**

**8. System.out.print(""+"IP for Class XII".length());**

**Ans            16**

**9.    System.out.print(“”+“    IP for class XII”.ltrim().length());**

**Ans            16**

**10.    String str=“Naw Dalhi”.replace(‘a’,‘e’).equals(“New Delhi”);**

**Ans            true**