

Set (A) Answers

1. Instance variable is.
 - a) class variable
 - b) object variable
 - c) static variable
 - d) all of above
2. Constructor has
 - a) same name as class name and no return type
 - b) same name but has return type
 - c) same name as object but no return type
 - d) none of above
3. Which inheritance in java programming is not directly supported by java class?
 - a) Single inheritance
 - b) Multilevel inheritance
 - c) Multiple inheritance
 - d) All of above
4. choose the correct output of the following program.

```
class Demo{
    int x=20;
    public int get()
    {
        int x=30;
        return x;
    }
    public static void main(String argss[]){
        Test d=new Test();
        System.out.println(d.get());
        System.out.println(d.x);
    }
}
```

- a) 20
- 30
- b) 30
- 20
- c) Compile Time Error

- d) 30
30

5. What is the output of the following program?

```
class Demo {  
    public static void main(String a[])  
    {  
        int x=10;  
        int y=x/2;  
        float z=y;  
        System.out.println(z);  
    }  
}
```

- a) 5
 - b) 5.0
 - c) 0
 - d) 0.0
6. Which of the following is a not a primitive data types?
- a) float
 - b) byte
 - c) String
 - d) Boolean
7. Which is the following is assignment operator?
- a) ==
 - b) =
 - c) &
 - d) !
8. Which is the following is comparison operator?
- a) ==
 - b) =
 - c) ===
 - d) \$\$

9. Find the output:

```
class Test {  
    public static void main(String args[]) {  
        int x = 1;  
        for (int y = 1; y < 10; ++y) {  
            int z=y/x;  
            if(y==5)  
                break;  
            System.out.print(z + " ");  
        }  
    }  
}
```

- a) 1 2 3 4 5 6 7 8 9
- b) 1 2 3 4 5
- c) 1 2 3 4
- d) Compilation Error

10. Write the error generated line number of the following program.

```
class Test  
{  
    int x;  
    int Test(String n)    // line 4  
    {  
        n=x;            // line 5  
        return n;        // line 6  
    }  
  
    public static void main(String []args)  
    {  
        Test n = new Test();    // line 10  
    }  
}
```

Ans: 5,6

11. Given the declaration `int a[]={1,2,3,4,5}` what is the output of `a[-1]`?

- a) a
- b) 4
- c) 5
- d) None of above

12. To find the length of array in java we use

- a) `Array.length`
- b) `Array.size()`
- c) `Array.length()`
- d) `Array.count()`

13. Write the output of the following program.

```
class main_class {  
    public static void main(String args[])  
    {  
        int x=10, y=20;  
        int z= x > y ? 10:20;  
        System.out.println(z);  
    }  
}
```

- a) 10
- b) 20
- c) 1020
- d) Compilation Error

14. What is the output of the following program?

```
class DemoTest  
{  
  
    public static void main(String []args)  
    {  
        int x=10;  
        int y=++x;  
        System.out.println(y);  
        y=x++;  
        y++;  
        System.out.println(y);  
    }  
}
```

- a) 10 10

- b) 11 12
- c) 11 12
- d) 11 13

15. If class B is subclass from class A then which is the correct syntax?

- a) class B:A{}
- b) class B extends A{}
- c) class B extends class A{}
- d) class B implements A{}

16. Super keyword in java is used to?

- a) Refer immediate parent class instance variables.
- b) Invoke immediate parent class methods.
- c) Invoke immediate parent class constructor.
- d) All

17. Which of these class is related to all the exceptions that cannot be caught?

- a) Error
- b) Exception
- c) Runtime Exception
- d) None of the above.

18. What is the output of this program?

```
class ExceptionHandling{
    public static void main(String args[]) {
        try {
            System.out.print("A");
        } catch(ArithmeticException e) {
            System.out.print("B");
        } finally{
            System.out.print("C");
        }
    }
}
```

- a) A
- b) ABC
- c) AB
- d) AC

19. The class at the top of Exception Hierarchy is

- a) ArithmeticException
- b) Throwable
- c) Object
- d) Exception

20. Choose the best option as output after reading the following program?

```
try {  
    int a[] = {1, 2, 3, 4};  
    for (int i = 0; i <= 6; i++) {  
        System.out.println (a[i]);  
    }  
} catch (ArrayIndexOutOfBoundsException e) {  
    System.out.println ("error = " + e);  
} catch (Exception e) {  
    System.out.println ("ArrayIndexOutOfBoundsException");  
}
```

- a. 1 2 3 4
- b. Run time error
- c. ArrayIndexOutOfBoundsException
- d. None of the above

21. Can an abstract class define both abstract methods and non-abstract methods?

- a) No--it must have all one or the other.
- b) No--it must have all abstract methods.
- c) Yes--but the child classes do not inherit the abstract methods.
- d) Yes--the child classes should inherit the abstract method of abstract class.

22. How many abstract classes can a single program contain?

- a) At most 1
- b) At least 1
- c) At most 127
- d) As many as required

23. Choose the best option based on the following statement.

- I. Interface may have the constructor.
- II. Interface is a special class which is fully abstracted.

- a) I- True, II-False
- b) I- False, II-True
- c) I- True, II-True
- d) I- False, II-False

24. What is the output of the following program?

```
abstract class A {
    int i;
    abstract void display();
}
class B extends A {
    int j;
    void display() {
        System.out.println(j);
    }
}
class Abstract_demo {
    public static void main(String args[]) {
        B obj = new B();
        obj.j=2;
        obj.display();
    }
}
```

- a) 0
- b) 2
- c) Runtime Error
- d) Compilation Error

25. Which of the following statements is true?

```
public abstract class Test{  
    public abstract int counting(){  
        return 20;  
    }  
}
```

- a) The keywords public and abstract cannot be used together.
- b) The method counting() must not have a body.
- c) Abstract method should use the parameter.
- d) Code is correct.

26. Iterator interface contains following methods.

- i. boolean hasNext()
- ii. Object nextElement()
- iii. void remove()

- a) only i.
- b) only i and ii
- c) only i and iii
- d) All i, ii and iii

27. The following specifies the advantages of

It is lightweight

It Supports pluggable look and feel

It follows MVC (model view controller) architectureGUI

- a) swing
- b) awt
- c) Both a & b
- d) None of the above

28. Followings are the components of javax.swing package.

- a) JFrame, JMenuBar, JMenuItem
- b) JavaFrame, JavaMenuBar, JavaMenuItem
- c) JFrame, JMenuBar, JMenuItem
- d) None of the above

29. Which of the following method should be overridden from ActionListener interface while event handling.

- a) public void actionPerformed(ActionEvent e)
- b) public void actionPerform(ActionEvent e)
- c) public void actionPerformed(Event e)
- d) public void actionPerform(Event e)

30. Which of the following method is used to collect the text from the textbox?

- a) **getText()**
- b) getString()
- c) getValue()
- d) getTextField()

31. Choose the correct option after reading the following program.

```
interface Printable{
    void print();    //line 2
}
interface Showable{
    void show();    //line 5
}
class A7 implements Printable, Showable {    //line 7
    public void print() { System.out.println("Hello");}    //line 8
    public void show() { System.out.println("Welcome");}    //line 9
    public static void main(String args[]){
        Showable obj = new Showable();    //line 11
        obj.show();
    }
}
```

- a) Line 7 (inheriting interfaces) has syntax error.
- b) Line 2 and line 5 have error.
- c) **Line 11 has error.**
- d) Output of above program:
Welcome

32. For every interface written in a java file,

- a) Method should be public and final.
- b) Interface have instance variable.
- c) Both are true.
- d) **Both are false.**

33. Which of the correct syntax to declare a variable in java?

- a) Variablename datatype
- b) **datatype variablename**
- c) keyword variablename
- d) identifier variable name;

34. Overloading can be achieved ,
- a) Within same class
 - b) Different class
 - c) Same package.
 - d) None of above
35. What is the correct syntax to create an object of class Test in java?
- a) Test referencevariable =new Test;
 - b) Test referencevariable =new Test ();
 - c) Test =new Test ();
 - d) None of above
36. Which of the following is not a keyword in java?
- a) if
 - b) final
 - c) finally
 - d) array
37. Can a class implement more than one interface?
- a) Yes, But interface should have constructor.
 - b) No, multiple inheritance is not possible in java.
 - c) Yes, a class can implement more than one interfaces.
 - d) No, only interface can extends more than one classes.
38. Pick up the true statement related to ArrayList.
- a) ArrayList belongs to the package java.io in the java class library.
 - b) ArrayList is used to store the numeric values only.
 - c) ArrayList is a class.
 - d) ArrayList is an interface.
39. Which of these method of ArrayList is used to return the element at the specified position?
- a) return(int pos)
 - b) index(int pos)
 - c) get(int pos)
 - d) Return(int pos)

40. Examine the following code:

```
import java.util.*;
class ArrayList
{
    public static void main(String args[])
    {
        ArrayList obj = new ArrayList();
        obj.add("P");
        obj.add("Q");
        obj.add("R");
        obj.add(0, "S");
        System.out.println(obj);
    }
}
```

What is the output or error in above program.

- a) [P,Q,R,S]
- b) [S,P,Q,R]
- c) **Compilation Error**
- d) Cannot be added item at 0 index.