

# Advance Java Programming.

## Multiple Choice Questions.

\*Answers are Bold and Underlined.

### Chapter 1: Java Applets.

1. Which is a special program that is embedded in the webpage to generate the dynamic content?  
(A) Browser  
(B) Package  
**(C) Applet**  
(D) None of above
2. To write applet application which class we need to extends?  
(A) Component  
**(B) Applet**  
(C) applet  
(D) None of above
3. State true or false: Applet application have main method.  
(A) true  
**(B) false**
4. Which of the following is used to execute applet application?  
(A) Browser  
(B) Applet Viewer  
**(C) Both A & B**  
(D) None of above
5. Which is the correct order of an applet lifecycle?  
(A) Applet is started, initialized, painted, destroyed, stopped  
**(B) Applet is initialized, started, painted, stopped, destroyed**  
(C) Applet is painted, started, stopped, initialized, destroyed  
(D) None of above
6. Which of the following is used for accepting user defined parameter in applet?  
(A) Body  
(B) Head  
(C) Applet  
**(D) Param**

7. Which of the following are steps for Applet life cycle?
- (A) init()
  - (B) start()
  - (C) paint()
  - (D) All of Above**
8. Which of the following is not part of java.applet.Applet class?
- (A) paint()**
  - (B) start()
  - (C) init()
  - (D) stop()
9. Which of the following is a part of java.awt.Component class?
- (A) init()
  - (B) start()
  - (C) paint()**
  - (D) All of Above
10. Which method is invoked only once during execution of applet?
- (A) paint()
  - (B) start()
  - (C) stop()
  - (D) destroy()**
11. To write applet application which packages need to import?
- (A) import java.applet.Applet;
  - (B) import java.awt.\*;
  - (C) Both A & B**
  - (D) None of above
12. Which method Invoked immediately after the start() method and also any time the applet needs to repaint itself in the browser?
- (A) paint()**
  - (B) stop()
  - (C) init()
  - (D) destroy()
13. Which attribute of applet tag compulsory to display applet?
- (A) Code
  - (B) Width

- (C) Height
- (D) All of Above**

14. Which attribute is required to give the name of the file containing your applet's compiled .class file?

- (A) code**
- (B) codebase
- (C) alt
- (D) name

15. Applet execution start from

- (A) init() method**
- (B) main() method
- (C) paint() method
- (D) All of Above

16. When an applet is terminated the following sequence of methods calls takes place?

- (A) stop(), paint(), destroy()
- (B) stop(), destroy()**
- (C) destroy(), stop()
- (D) destroy(), stop(), paint()

17. State true or false: Applet executes at client side.

- (A) true**
- (B) false

18. Which are common restrictions in applet?

- (A) An applet cannot access anything on the system except browser's services
- (B) Applets can't load libraries or define native methods
- (C) Applets can play sounds
- (D) Both A & B**

19. Arrange the steps involved in developing and testing the applet in correct order.

- (i) Creating .class file
- (ii) Preparing tag
- (iii) Creating HTML file
- (iv) Write an applet code (.java file)
- (v) testing the applet code.

- (A) 1-ii, 2-iii, 3-iv, 4-v, 5-i
- (B) 1-i, 2-ii, 3-iii, 4-iv, 5-v
- (C) 1-iv, 2-i, 3-ii, 4-iii, 5-v**
- (D) 1-iii, 2-iv, 3-v, 4-i, 5-ii

20. PARAM tag used for

- (A) To specify applet-specific arguments in an HTML page**
- (B) To specify browser-specific arguments in an HTML page
- (C) To specify client-specific arguments in an HTML page
- (D) None of above

21. Which methods can be used to display a string in an applet?

- (A) display()
- (B) drawString()**
- (C) print()
- (D) show()

22. Which of the following is a valid declaration of an applet?

- (A) public class MyApplet extends java.applet.Applet {**
- (B) public Applet MyApplet {
- (C) public class MyApplet extends applet implements Runnable {
- (D) abstract class MyApplet extends java.applet.Applet {

23. What will be the output of following applet program?

```
import java.awt.*;
import java.applet.*;

public class myapplet extends Applet
{
    public void paint(Graphics g)
    {
        g.drawString("A Simple Applet", 20, 20);
    }
}
```

- (A) Compilation Error
- (B) A Simple Applet 20 20
- (C) Runtime Error
- (D) A Simple Applet**

24. Which of the following statement is a drawback of Applet?

- (A) It can be executed by browsers running under many platforms, including Linux, Windows, and Mac OS etc.
- (B) It works at client side so less response time
- (C) Plugin is required at client browser to execute applet**
- (D) Secured

25. State true or false: Applet runs inside the browser and does not works at client side.

- (A) true
- (B) false**

26. Which of the following is correct syntax to display 30\*50 rectangle as output in applet?

- (A) g.drawRect(10,20,50,30);
- (B) g.drawRect(30,50,10,30);
- (C) g.drawRect(10,20,30,50);**
- (D) g.drawRect(30,50,10,50);

27. Which of the following is correct syntax to display circle of radius 20 as output in applet?

- (A) g.drawCircle(10,20,20,20);
- (B) g.drawOval(10,20,20,20);
- (C) g.drawCircle(20,20,40,40);
- (D) g.drawOval(10,20,40,40);**

28. drawLine, drawRect, drawString are available in which of the following class?

- (A) Paint
- (B) Graphics**
- (C) Applet
- (D) Design

29. To display vertical line which of the following method is used?

- (A) drawStraightLine()
- (B) drawVerticalLine()
- (C) drawLine()**
- (D) None of above

30. To add component in an applet which of following is used?

- (A) add()**
- (B) put()
- (C) place()
- (D) None of above

31. What will be the output of getCodeBase() method?

- (A) Returns the URL of the HTML document that invokes the applet
- (B) Returns the URL associated with the invoking applet**
- (C) Both A & B
- (D) None of above

32. What is fullform of AWT?

- (A) Application Window Toolkit
- (B) Abstract Web Toolkit
- (C) Abstract Writing Toolkit
- (D) Abstract Window Toolkit**

33. Which method invoked by AWT when invoking repaint() method for component?

- (A) show()
- (B) draw()
- (C) paint()**
- (D) update()

34. Program which executes applet is known as

- (A) JVM
- (B) virtual machine
- (C) applet engine**
- (D) None of above