

# **BCA SEM-4 JAVA**

## **Most IMP Questions**

1. Java Features.
2. JVM.
3. Tools of JDK.
4. Main() prototype.
5. Keywords like, super, final, native, volatile, this.
6. Nested class.
7. Object as function argument.
8. Access Modifiers in java.
9. Constructor & its types with example.
10. Operators in java.
11. Difference: String vs. StringBuffer class.
12. What is package? Explain creating & importing packages with example.
13. What is inheritance? Explain its types.
14. Write a note on exception handling mechanism.
15. Creating your own exceptions.
16. Wrapper classes.
17. Vector , Hashtable
18. Ways of creating threads with example.
19. Thread Life cycle.
20. Thread synchronization & Deadlock.
21. File class in java.
22. InputStreamReader and OutputStreamReader classes.
23. StreamTokenizer class.
24. Difference: Character stream vs. Byte stream.
25. Applet life cycle.
26. Passing parameters to the applet with example.
27. Graphics class.
28. Color & Dimension class.
29. JAVA API packages.
30. AWT controls like, Checkbox, Combobox, TextField, Scrollbar
31. Adapter classes.
32. Anonymous inner class in java.
33. Layout managers.
34. Difference: Swing vs. AWT controls.
35. Swing Controls like, JPanel, JContainer, JButton, JCheckbox, JList, JMenu.
36. Command line argument.
37. Garbage collection & finalize().
38. Listeners: KeyListener, MouseListener, ItemListener, ActionListener
39. Method Overriding.
40. Abstract Class.