

## Sample Questions for SYBCA SEM IV

### Sub: Java Programming

#### Short Questions.

1. What is JVM?
2. What is garbage collection?
3. Explain the significance of “javac” and “java”.
4. Explain final, finally and finalize in details.
5. What is bytecode?
6. Explain yield() method.
7. Write an importance of classpath?
8. What is java interpreter?
9. What is finalize() in java.
10. What is appletviewer?
11. What is access specifier in Java?
12. Write difference between == and equals().
13. Write down the use of this pointer.
14. What is difference between public and default (package) modifier?
15. Define abstract in java.
16. Differentiate break and label break.
17. Explain isAlive() and join() method
18. Define Interface in java.
19. What do you mean by checked and unchecked exception.
20. Define Monitor.
21. Write difference between init() and start().
22. Difference between paint() and repaint() method.
23. Explain significance of ‘public’ and ‘static’ keywords in main() method.

## Long Questions.

1. Explain various features of JAVA
2. Explain JAVA Architecture in Detail.
3. Differentiate java & C++.
4. What is type casting in Java? Explain with proper example.
5. Explain bitwise operator.
6. Explain Runtime Polymorphism with proper example.
7. What is interface? How it differs from abstract class?
8. What is package? Explain various access specifiers with package.
9. Explain various methods of StringBuffer class with appropriate examples.
10. Explain any 6 String functions with example.
11. What is Exception? Explain user-defined exception with appropriate example.
12. Explain Applet Life Cycle.
13. What is thread? Explain life cycle of thread.
14. Explain use of super keyword in java.
15. Explain final, finally and finalize in details.
16. What is inheritance? Explain various types of inheritance.
17. What is applet? How to pass parameters to an applet explain it with an example.
18. Explain throw and throws with an example.
19. Write a brief note on various methods of Graphics class of applet.
20. What do you mean by linked list, explain in details?
21. Explain circular linked list with insert and delete algorithm.
22. How can you achieve multiple inheritance in java? Explain with appropriate example.

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