**TYBCA Sem-VI Subject – Advanced JAVA**

1. Write down the functionality of JDBC Driver.
2. List down the 4 types of JDBC Drivers & explain them in brief.
3. Write down the steps involved in JDBC Application.
4. Write a short note on Statement Interface.
5. Write a short note on ResultSet Interface.
6. Explain parameterized SQL in JDBC using example.
7. Write a role of DriverManager and Connection in JDBC.
8. Write down difference between ArrayList & Vector.
9. Write a short on Collection Framework.
10. Write a short note on Hashcode.
11. Write down difference between Iterator & List Iterator.
12. Write a short note on following

i. Connection

ii. Statement

iii. Result set

1. Explain multithreading in detail.
2. What is meant by thread.
3. Explain the importance of thread priorities.
4. What is synchronization?
5. Explain Runnable interface in detail along with its need.
6. Explain Thread Lifecycle with proper diagram.
7. Explain the following methods with their syntax
   1. join()
   2. sleep()
   3. wait()
   4. notify()
   5. notifyAll()
   6. run()
   7. start()

Note : Question Bank for Advanced Java will be updated with remaining topics shortly.