UNIT - 4

**MULTITHREADING AND GENERIC PROGRAMMING**

Question Bank

**PART – A**

**2 – Marks**

1. Define Threads.
2. List the life cycle stages of thread.
3. What are all the advantages of usages of threads?
4. Define multitasking system.
5. Give a short note on Runnable and Running stages of thread.
6. Write a program that prints odd numbers only upto the limit using threads.
7. Give a short note on synchronization of thread.
8. List the types of synchronizations.
9. What is co-operative thread?
10. What is demon thread?
11. What is Java Generics?
12. Give an example for generic methods.
13. What is bounded types in generics?
14. List 2 restrictions of generics.
15. Why static members of types not supported in generics?

**PART – B**

**13 -Marks**

1. Write a program to find the generated Fibonacci series number is prime or not.
2. Explain about synchronized methods with example.
3. Explain about synchronized blocks with example.
4. Explain about co-operative process with example.
5. Explain about thread groups with an example.
6. Write a program that helps to find all sum of all elements in array using generics.
7. Explain in detail about generic class and methods.