KGiSL INSTITUTE OF TECHNOLOGY

***Department of Information Technology***

Question Bank

**PART – A**

**2 – Marks**

**PART – B**

1. What is inheritance?
2. Define super class and sub class.
3. What is the role of protected member in class?
4. Write a short note on final class and final methods.
5. Define abstract classes.
6. What is dynamic binding?
7. Define Object class.
8. What is interface?
9. Write any two different between class and interface.
10. What is object cloning?
11. Differentiate shallow vs deep cloning.
12. Write some uses of ArrayList class.
13. Define String in java.
14. What is inner class in java.
15. Write a program that helps to clone simple objects.

**13 – Marks**

1. Explain in details about types of inheritance supported by java.
2. Explain about Object and its importance in java.
3. Explain about interface concepts of java and compare with abstract class.
4. Explain about ArrayList class and its methods in java.
5. Explain about String class and its methods in java.
6. Write a program to that implements following inheritance concepts
7. Write a program that handles simple banking transaction system
   1. Receive and store user information’s like [Name, Address, Aadhar number, Mobile number]
   2. Generate an account number in sequence begins with 3036118900 to n
   3. Create an interface called CustomerOperations [contains debit and credit transaction methods].
   4. Maintain two types of account [Savings and Current].
   5. Differentiate customer operations based on the account type [Eg: Current user can withdraw money beyond balance available like over draft limit but Savings user cannot].
8. Write a program that imple