



ABES Engineering College, Ghaziabad
Department of Computer Science

Session: 2023-24

Semester: 4th

Section: A, B, C

Course Code: BCS 403

Course Name: Object Oriented Programming with Java

Assignment 5

Date of Assignment: 09/07/2024

Date of submission: 12/07/24

S. No.	Question	KL, CO
1.	What is Dependency Injection and Write some advantages of using Dependency Injection.	K2, CO5
2.	Describe the Spring IoC container. What are its main responsibilities?	K2, CO5
3.	Compare singleton and prototype scopes in Spring in terms of lifecycle and use cases.	K2, CO5
4.	Write a code for simple Spring application using annotations/xml/java to configure beans and demonstrate dependency injection.	K3, CO5
5.	Write all the steps to create a spring boot application	K2, CO5