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MID TERM EXAMINATIONS – July 2024

Programme	: B.Tech.	Semester	: Fall Semester 2024-25
Course Title	: Programming in Java	Course Code	: CSE2006
Date/Session	: 18 July 2024/ Session I	Slot	: C12+C13+F12+F13
Time	: 1 ½ hours	Max. Marks	: 50

Answer all the Questions

Q.No.	Sub. Sec.	Question Description	Marks
1		Summarize the Java JVM, JRE and JDK with suitable example.	10
2	(a)	Write a Java program using Flow control statements to get the value at run time .Given the number Fibonacci Series.	5
	(b)	Explain any five Java Operators with suitable example.	5
3		Write a Java program to create an interface Playable with a method play() that takes no arguments and returns void. Create three classes Football, Volleyball, and Basketball that implement the Playable interface and override the play() method to play the respective sports.	10
4		Write a Java program to create a base class Animal with methods move() and makeSound(). Create two subclasses Bird and Panthera. Override the move() method in each subclass to describe how each animal moves. Also, override the makeSound() method in each subclass to make a specific sound for each animal with using super keyword in instance variable, method and Constructor .	10
5		Write a Java program that throw and throws an exception and catch it using a try-catch block.	10

