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MID TERM EXAMINATIONS – October – November 2023

Programme	:	**B.Tech.**	Semester	:	**Interim 2023-24**
Course Title/ Course Code	:	**Programming in Java / CSE2006**	Slot	:	**E11 + E12**
Time	:	**1 ½ hours**	Max. Marks	:	**50**

Answer all the Questions

Q.No.	Sub. Sec.	Question Description	Marks
1		Explain the process of compiling and running the Java application with an example. Write a program in JAVA to calculate the area of the circle.	**10**
2	(a)	Define Class, Method and Object in Java programming language.	**5**
	(b)	Distinguish between method overloading and method overriding in JAVA with suitable example	**5**
3		Write a program in JAVA to implement a class that defines a method to compute average of 3 numbers. Initialize the data members of this class using Parameterized constructor.	**10**
4		Define a class Player with Data Members (Name, Player ID, Country) and specify the suitable methods for I / O. Create 3 more classes Cricket (Matches, Runs, Wickets, Catches), Football (Matches, Goals) and Tennis (Matches, Titles). Provide suitable methods for I / O in all 3 classes. All these classes will extend the Player class. Write a JAVA program to implement this scenario.	**10**
5		Define Exception in JAVA. Explain the following keywords with suitable example in exception handling. i. try ii. Catch iii. throw	**10**

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