

CBCS SCHEME

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BPLCK105C

First Semester B.E/B.Tech. Degree Examination, June/July 2026

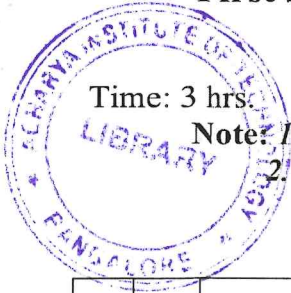
Basics of Java Programming

Time: 3 hrs.

Max. Marks:100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.

2. M : Marks , L: Bloom's level, C: Course outcomes.



Module – 1			M	L	C
1	a.	Explain Basic Principles of object oriented programming.	6	L2	CO1
	b.	Discuss primitive data types used in Java.	8	L2	CO1
	c.	What is Type conversion and Type casting? Explain with an example.	6	L2	CO1
OR					
2	a.	Explain the control statements in java with syntax and example.	10	L2	CO1
	b.	Discuss one dimensional array with program.	6	L3	CO2
	c.	Explain lexical issues used in Java.	4	L1	CO1
Module – 2					
3	a.	Explain logical operators with example.	6	L2	CO2
	b.	Write a program to illustrate for each version of for loop.	6	L3	CO2
	c.	Explain switch statement with syntax and example program.	8	L2	CO3
OR					
4	a.	Write a note on : i) Break ii) Continue.	6	L1	CO2
	b.	Explain different types of if statements with example program.	10	L2	CO2
	c.	Write a note on Ternary operator.	4	L2	CO2

Module – 3

5	a.	What are Constructors? Explain two different types of constructors with example program.	10	L2	CO3
	b.	Define Method overloading. Explain method overloading with an example.	10	L2	CO3

OR

6	a.	What is Recursion? Explain with an example program.	10	L2	CO3
	b.	Explain Static methods and Static variables with example program.	10	L2	CO3

Module – 4

7	a.	What is Inheritance? Explain super keyword with respect to inheritance.	10	L2	CO3
	b.	Explain Access control with example program.	10	L2	CO3

OR

8	a.	Write a note on : i) Final class ii) Final method.	8	L2	CO4
	b.	Explain Abstract class with an example program.	8	L3	CO4
	c.	Write short notes on Dynamic Method Dispatch.	4	L2	CO4

Module – 5

9	a.	What is an Exception? Explain different mechanisms of handling the exceptions in Java.	10	L2	CO4
	b.	Write a Java program to Create two packages P1 and P2. In package P1, create class A, class B inherited from A, class C. In package P2, create class D inherited from class A in Package P1 and Class E.	10	L2	CO4

OR

10	a.	What is Interface? Illustrate the working of interface in java with example.	10	L2	CO4
	b.	Write short notes on : i) Chemical exceptions ii) Java's built-in exceptions.	10	L2	CO4
