

BPLCKC205/BPLCK205C

Second Semester B.E./B.Tech. Degree Examination, June/July 2023 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.

each describe the integer and floating point data types. With these data types illustrate type casting. b. Write a program to swap two given numbers using and without using temporary variable. OR Q.2 a. Define arrays, write various syntaxes of declaring arrays in Java and with sample examples illustrate what are the static initialization and dynamic initialization of arrays. b. What in object oriented programming? Explain the advantages of object oriented programming. Module – 2 Q.3 a. What are operators? Explain the various operation available in Java with examples. b. What is the use of conditional operator? Write a program to find the larger of two numbers using conditional operator. OR Q.4 a. List and explain the control statements in Java. b. Write a program to computes the roots of a quadratic equation with appropriates messages. Module – 3 Q.5 a. Define class and object. How do you relate an object with its class? Explain with a sample program. b. Write a program to create a class called shape and creates objects circle, triangle and rectangle and find the areas of all objects. OR Q.6 a. Explain parameter passing with reference of class and methods provides appropriate sample program.			Module – 1	M	L	C
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		b.	constructors with sample code for each.	10	L2	CO3

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		Module – 4	10	L2	CO3
Q.7	a.	Demonstrate inneritance in Java. What kind of mineritance	10		
		support? Illustrate with sample program.			
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	b.	Explain the keywords super, final and abstract with sample codes for each.	10		00.
		on			
		OR	10	L2	CO
Q.8	a.	Explain method overriding with a sample program.	10		CO
		1 1 in the symptom of greating	10	L2	CO
	b.	Explain the advantages of abstract class and explain the syntax of creating	10		
		an abstract class.			
		Module – 5	10	L2	CC
Q.9	a.	What are packages? Explain the various methods of importing packages	10		
		with sample code for each.			
		Differentiate	10	L	CO
	b.	Illustrate the method of creating inter faces with syntax. Differentiate			
		interface from abstract class.			
la la		OR			
		What is the need of exception handling? Write a program to handle the	10	L2	C
Q.10	a.	What is the need of exception handling? Write a program to handle			
		arithmetic exception.			
	-	The state of the s	10	L2	C
	b.	Explain the keywords try, catch, throw and throws.			

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