Dr Enjerfathur

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST -1 EXAMINATIONS-2022

B.Tech-VI Semester (ECE)

COURSE CODE: 19B1WCI734		MAX. MARKS: 15
COURSE NAME: Object-Orio	ented Technologies Using Java	
COURSE CREDITS: 2		MAX. TIME: 1 Hour
Note: All questions are compu	lsory. Marks are indicated against	each question in square
brackets.		
Q1.		
	chine (JVM)? How does the use	of JVM make Java a platform
independent language?		[2]
(b) Describe the features of	Object Oriented Paradigm. W	hat are its advantages over the
structured programming approach?		[3]
Q2.		
	ount and print the number of digits	in a given integer value. [2]
(b) Find the output of the following Java code snippets:		[3]
(i) int x , y = 1; x = 10; if (x != 10 && x / 0 == 0) System.out.println(y); else System.out.println(++y);	(ii) byte x = 64, y; int i; i = x << 2; y = (byte) (x << 2) System.out.print(i + " " + y);	(iii) int[] A = {0,2,4,1,3}; for(int i = 0; i < 5; i++){ a[i] = a[(a[i] + 3) % 5]; }
Q3		
(a) Differentiate between co	ontinue, break and labeled break	statements used in Java. Give
suitable examples for each of	[2]	
(b) Write a Java program to print the pattern given below:		[3]
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