BRAC UNIVERSITY

Department of Computer Science and Engineering Semester: Fall 2023 Section-9

Quiz-3	n: 35minutes	Full Marks: 15
CSE 340: Computer Architecture		
Name:	ID:	
1.	[CO1] Convert 110.101 x 10^-2 into 18-bit IEEE-754 Floating Representation, where the biased exponent is 6 bits. Note: You need to show all the steps. [6 marks]	g Point
2.	[CO3] Use Optimized Multiplication approach to perform the (multiplicand) and 4 (multiplier). Show the contents of the promultiplicand registers in each step. Consider this as a 4-bit hardware. [6 marks]	
3.	[C01] Convert the following C code to Floating Point MIPS C an array that holds the floating point values with base address integer array with base address \$s2, J is in \$f2. [3 marks]	

C[3] = A[5] - 9 + (float)J