


National University of Computer and Emerging Sciences, Lahore Campus

	Course:	Design and Analysis of Algorithms	Course Code:	CS302
	Program:	BS(Computer Science)	Semester:	Spring 2018
	Duration:	10 Minutes	Total Marks:	10
	Paper Date:	15-March-18	Weight	3
	Section:	C	Page(s):	1
	Exam:	Quiz 3	Roll No:	
			Section:	

We have derived the worst case height of a B-tree of order $2t$ in class. What would be the best case height of a B-tree of order $2t$? Derive the height as a function of number of data items in the tree (n). Also show complete working.