B.Sc. (Data Science) (NEP Pattern) First Year Semester-I

BSCDS011: Data Structure and Algorithm Using Python

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4.	a)	Described Tree structure with its properties.	8
	b)	Explain	8
		i) Hashing Technique	
		ii) Hashing function	
		OR	
	c)	What do you mean by "Tree Traversal" explain in details.	8
	d)	In AVL Tree, Described the followings-	8
		i) Insertion	
		ii) Deletion	
5.		Write any two.	
		i) Describe selection sort algorithm.	8
		ii) Explain "Greedy Algorithm"	8
		iii) What is "Dynamic Programming", explain with an example.	8
		iv) Short note on.	8
		i) Linear search algorithm	
		ii) Binary search algorithm	
		v) Described "Merge sort" in details.	8
