

	国上武儿在然上與100年在西西一时初止女子子
	國立彰化師範大學106學年度 <u>碩士班</u> 招生考試試題 所: <u>電子工程學系(乙組選考丁)</u> 科目: <u>資料結構</u>
11	
	資訊工程學系積體電路設計碩士班(選考丁)
☆	☆請在答案紙上作答☆☆ 共2頁,第2頁
	If A=2, B=3, C=4, D=5, and E=6, illustrate the evaluations of following postfix expressions by Stack? (10%) A B / D E * A / - C -
	Refer to the unsorted data sequence [60, 90, 40, 100, 80, 70, 50, 10, 20], illustrate the data sequence after first partitioning (the pivot element in its correct location) of Quick sort algorithm? (10%)
9.	Refer to following un-balance binary tree to balance it by AVL algorithm. (10%) 20 40 30 50 60
10.	 Refer to following weighted graph to A. Find the Adjacency matrix? (5%) B. Depict minimum cost spanning tree starting node A by Kruskal's algorithm or Prim's algorithm? (5%)