1998 Paper 7 Question 1

VLSI

Give	the circuit for a CMOS inverter.	[4 marks]
Give	layouts for CMOS inverters of the following types:	
(a)	basic design using one layer of metal	
(b)	basic design using two layers of metal	
(c)	an advanced design for driving large loads	[4 marks each]

What is the purpose of a buffer chain when distributing the clock? [4 marks]