

1994 Paper 5 Question 1

Introduction to Computer Architecture

The MIPS R2000 is a 32-bit architecture and has three basic instruction formats:

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op	rs	rt	rd	re	funct								
6	5	5	5	5	6								

Discuss the different ways in which addresses may be constructed for

(a) data reference [8 marks]

(b) effecting transfer of control [12 marks]