1994 Paper 11 Question 12

The MIPS Instruction Set

Summarise *five* of the following six subjects concerning the MIPS R2000 in *no more than* 150 words each (diagrams are allowed and do not count to the word limit):

(*a*) instruction formats

(*b*) fetch–execute cycle

(*c*) delayed load

(*d*) delayed branch

(*e*) *byte sex* or *endianness*

(*f*) C function call interface under MIPS Ultrix, DEC's version of UNIX

[4 marks each]