

**General Certificate of Education**

**Computing 2510**

**COMP2 Computer Components, The  
Stored Program Concept and The  
Internet**

**Mark Scheme**

*2010 examination - January series*

Mark schemes are prepared by the Principal

**Notation used mark schemes:**

- ; - means a single mark
- // - means alternative response
- / - means an alternative word or sub-phrase
- A - means acceptable creditworthy answer
- R - means reject answer as not creditworthy
- I - means ignore.

Qu





- 5** (b) LOAD 12;  
ADD 13;  
STORE 14;  
**A** operands 12 and 13 swapped around BUT NOT swapped opcodes  
**A** correct binary operands 12- 1100 13- 1101 14- 1110  
**A** minor spelling errors in Opcode only  
**P1** for use of # or other symbols with operand



- 7 (c) Minimise cost of production;  
Reduce propagation delay//speed up processing;  
Minimise heat generated;  
Reduce power consumption;
- NE** simpler to produce/makes circuit simpler  
**NE** reduce number of gates in chip







