**Multiple choice questions.**

1. Which one is not the part of compilation system?
2. Pre-Processor
3. Compiler
4. Assembler
5. Buffer
6. How many bits are reserved to represent the **fraction (mantissa)** part in *32 bits* *IEEE 754* number?

a) 1 b) 8

c) 23 d) 46

**3)** The operation \_\_\_\_\_\_\_\_\_ yields true if either or both of its operands are true.

a) NOT b) AND

c) NAND d) OR

**4)** Assume that there is an old system working in a laboratory and you want to update this system. A part of the system initially consumed 30% of the overall time and you replaced this part with a new one which is 5 times faster. What is the effect of this change on the overall system?

**5)** Perform the following conversions and calculate the results**.**

a) (167)10 = ( )2

b) (1101101)2 = ( )10

c) (A0C7)16 = ( )2

**6)** How many different shift operations exist? Explain the differences between Shift Operations**.**