- 1 microcontroller. Block diagram
 - in regard to the microcontroller PIC16F84A, in regard to the block diagram, try to identify the building blocks which their role seem to be known to you
 - which blocks seem to be unknwn to you?

a document related to the said microcontroller might be found at the following web link http://ww1.microchip.com/downloads/en/DeviceDoc/35007b.pdf

- 2 microcontroller. Instructions set
 - in regard to the microcontroller PIC16F84A, what is the maximum addressable range of the instruction 'goto'?

- 3 binary system and decimal system
 - the word base and the word radix what they might represent?

- 4 representing positive and integer values. Binary system and decimal system
 - how a value represented in binary system might be represented in decimal system?
 - how a value represented in decimal system might be represented in binary system?

- 5 binary system. Representing negative and integer values
 - how a ngative value might be represented using a binary system?

- 6 sign magnitude approach
 - how zero might be represented when using the sign magnitude approach?
 - when using the sign magnitude approach, adding a value to the negative version of the said value would it produce zero?

- 7 two complement approach
 - when using the two complement approach, adding a value to the negative version of the said value would it produce zero?
 - when using the two complement approach, the number of patterns used to represent postive values would it be equal to the number of patterns used to represent negative values?